



# MAD SCIENTIST SOFTWARE



2063 NORTH 820 WEST  
PLEASANT GROVE, UT 84062  
801-785-0535

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## Cardiac Arrest!

A 33 pound child is in cardiac arrest. Quick. How much epinephrine do you give? In cc's? In milligrams? What's the setting for the defibrillator? His blood gases show a base excess of -11. How much bicarbonate? The EKG shows sinus rhythm, but looks funny. Can you recognize the signs of hypocalcemia on the monitor?

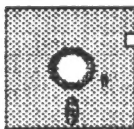
I took "ACLS" every two years, but I couldn't remember the protocols and drug doses more than a month. Those pediatric doses are murder. It's hard to remember things you don't use frequently on real patients.

How about a computer education system to teach ACLS--a system that's fun and motivating? CARDIAC ARREST! is like a computer adventure game--but it's a sophisticated resuscitation simulator. Our E.R. nurses and emergency physicians train on it. Our city paramedics use it at the fire station. Hospitals across the U.S. are using it. Although it's fun to use, as you "play" it, you read EKG's, follow ACLS protocols, and figure drug doses. You're required to exercise grey matter, thinking about CAUSES of arrest rather than just following a protocol. Cardiac Arrest! teaches ACLS in greater depth than anything you've seen. For example, "cheap shots" like hypothermia, hypocalcemia, narcotic O.D., and hypoglycemia are frequent.

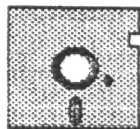
What does the simulator do? It gives a history for your patient, then turns things over to you. You see a sample EKG rhythm strip on the computer screen, vital signs, and other patient information. You give orders, typing them in plain English. When you've saved the patient (or given up), you get a critique of your actions.

But CARDIAC ARREST! is just the final step in a complete ACLS teaching system. There are self-teaching ACLS quizzes, drug dose calculating drills, an EKG teaching disk, and a protocol teaching disk which lead up to the CARDIAC ARREST! simulator. No computer skills AT ALL are required to use this teaching system. Once you know how to put in a disk and turn the computer on, that's it.

You'll be impressed with this system. Because ACLS protocols and drugs change, I'd recommend leasing, rather than buying. I have a great deal for you. Lease the software AND the computer system to run it AND get full support services for \$600 per year. For the unconvinced, a VHS tape demonstrating the system is available for \$8.



BRUCE R. ARGYLE, MD





Rapid Reference Card

Creating Patient Instructions  
with the



# Patient Instruction Generator

## **Program Use:**

Move the highlight bar by pressing the cursor (arrow) keys of the keyboard. Press the ENTER key when your selection is highlighted. Press ESC to exit without making a selection. Begin with the "Start" menu, progressing to the "Print" menu.

## **Patient:**

Under the "Start" menu, select "New Patient". Enter the name in the prompt box, then press the ENTER key. The right half of the Status box will be emptied, ready to receive new instructions. Any previously selected instructions will be deleted.

## **Physician:**

If your patient has been seen by a physician other than the one listed in the Status box, you must select "New Physician". Then choose or enter the name of the physician.

## **Instructions:**

Begin selecting instructions. The instruction menus are located under the third through sixth main menus. The first instruction menu (the third heading from the left, titled "SHEET") is different. It does not contain instructions itself, but rather contains linked groups of instructions previously selected from the other menus.

To select an instruction for printing, press the return key while it is highlighted. If the selection has a submenu, the submenu will expand out, and you then select an item from the submenu for printing.

You can select only 12 instruction pieces for one patient. You will see the items you've chosen in the print que of the Status window.

(Continued Over)

## **Preview?**

If Preview has been selected, you'll see the text for your selected item. Pressing the return key adds the item to the print list. Pressing the ESC key makes the program go on WITHOUT putting the text into the printed instructions. If you are selecting a linked group of instructions from the SHEET menu, you will see each individual instruction piece presented for approval or rejection, one after another.

## **Eliminating unwanted items:**

If you've accidentally selected an item you didn't want or duplicated an item, you can delete any instruction from the print que. Select "Edit Que" under the "PRINT" menu. Move the highlight bar to the instruction you want to eliminate, then press ENTER.

## **Typing one-time custom instruction:**

If you need to type in custom instruction, you can enter up to 17 lines by selecting "Custom" under the "Print" menu. Your custom text will be added to the end of the instructions, just before the signature lines. The text window which expands out represents the printed page. You can enter your text just as you would with any text processor, using the cursor keys to move around to edit. Special editing functions are obtained through the use of Alt-key combinations (holding the "Alternate" key down while pressing another key). You do not need to memorize anything. Pressing Alt-H for "Help" will give you a full menu of text editing options. Press the appropriate key combination while looking at the help screen, and the program will exit back to perform your operation.

## **Extra Copies:**

If more than the usual number of copies are needed, you can enter a new number by pressing ENTER while "Copies" is highlighted under the "Print" menu. After your copies are printed, change back to the usual number.

## **Printing it:**

To print the patient discharge instructions, select "Print" under the "Print" menu.

## Software Information:

General: The software is not copy-protected. Disk updates will be available to registered owners for \$6 each when medical standards change. 30-day disk warranty. Your satisfaction is fully guaranteed.

IBM/compatibles. For IBM XT, AT, PS2 or true compatibles. 5-1/4 or 3-1/2 inch disk. Hard disk compatible. DOS 2.0 or higher, 256K RAM required. Requires hercules or color graphics. Not for PCjr.

Apple Macintosh. For all systems, hard disk compatible.

Apple II. For IIc, IIe, IIGs. 5-1/4 disk only, DOS 3.3. Not hard-disk compatible.

Atari ST. For all systems. Hard disk compatible.

Atari XE. For 800XL, 65XE, 130XE. 400, 800, 1200XL require Basic cartridge, 48K RAM. Not hard disk compatible.

Commodore Amiga. For all systems, hard disk compatible.

### How to order:

Call Mad Scientist Software directly at **801-756-6027** to place Visa/Mastercard orders. For check or hospital purchase order, mail your order to:

Mad Scientist Software  
13422 Bayberry Circle  
Alpine, UT 84004

Be sure to specify your computer type. Include \$3.50 shipping and handling.

Dealers and distributors, contact:  
Iliad Software  
1470 South State  
Orem, UT 84058  
801-226-3270

## Blood Gases \$49.95

Does the thought of "acid-base balance" make your skin crawl? Do "A-a gradients" terrorize you? You need Mad Scientist Software's "Blood Gases" disk.

This terrific program teaches some of the most difficult, yet most important material in medicine. And it succeeds where many other teaching methods fail.

There's a normal values drill for those just learning. And for experts -- an Aa gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction -- very important now that "routine" bicarb is no longer given.

The Blood Gases disk can be customized for your altitude and your lab's normal values in a minute. A setup utility guides you in entering the appropriate values.

Not only does "Blood Gases" teach, but it will also interpret lung function and acid-base balance for you.

When you order your ACLS Teaching Series, consider adding the Blood Gases software. It's an excellent teaching aid.



13422 North Bayberry Circle  
Alpine, UT 84004  
**801-756-6027**

## The ACLS Teaching Series



"A Quantum Leap in  
Interactive Medical Education"  
*ST World*



# The ACLS Teaching Series \$109.95

Because most of our customers buy both Cardiac Arrest and Code Team, they are available in a single binder at a reduced price of \$109.95 -- A terrific value. Just ask for the "ACLS Teaching Series." Thousands of sets of the ACLS Teaching Series have been sold world-wide. The software has been reviewed extensively both by computer magazines and by medical specialty publications. Because of the popularity of this software, it has been translated onto six different computer types -- the IBM, MacIntosh, Amiga, Atari ST, Atari XE, and Apple II.

Many of our customers also choose to buy the Blood Gases teaching disk. While not included in the ACLS Teaching Series, this software is an excellent value. You can read about the Blood Gases software on the reverse side.

## Cardiac Arrest !

\$69.95 Individual Price

Sharpening skills at ACLS (Advanced Cardiac Life Support) was never so easy -- and certainly never so much fun. Cardiac Arrest ! casts you in the role of emergency physician. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs and laboratory data, and give treatment orders. ACLS becomes a challenging computer adventure game.

*"both highly educational and fun... one of the most realistic computer simulations I have ever seen." ST World*

*"A godsend for ACLS education." American Journal of Emergency Medicine*

*"impressive and amazingly complete... down to earth, information packed manual." Antic*

*"realistic... excellent value." Computer News for Physicians*

There are 45 patient data files on the disk -- but each patient behaves differently every time resuscitation is attempted. As you resuscitate the patient, you type your "orders" in plain English, ordering virtually anything you want any way you want.

The simulator goes beyond standard "ACLS." It poses difficult therapeutic priorities, presenting patients with problems beyond heart attacks -- such as hypocalcemia, hypothermia, and hyperkalemia.

No computer expertise is required to use the program. The manual provides all the medical information required.

## Code Team !

\$69.95 Individual Price

Having trouble remembering "what comes when" in the ACLS (Advanced Cardiac Life Support) treatment algorithms? Having trouble staying awake studying for the written ACLS certification test? You need "Code Team !" -- the complete desktop computer ACLS preparation course.

Code Team ! consists of three programs: CardioQuiz, EKG Teaching, and ACLS Protocols.

### CardioQuiz

CardioQuiz covers ACLS topics in ten self-teaching quizzes. Emphasis is placed on practical knowledge.

*"Questions relate directly to the ACLS course."*

*ST Informer*

The disk covers airway management, IV techniques, cardiac drugs, case management priorities, Basic Life Support review, and more. This is excellent preparation for the written ACLS certification test.

### EKG Teaching

The EKG Teaching program teaches rhythm strip interpretation. EKG patterns are drawn on-screen, with important features pointed out for the user. After working through each tutorial, you can test your knowledge with a quiz.

*"Ideal for the arrhythmia recognition station of the ACLS course."*

*The American Journal of Emergency Medicine*

The program covers normal and abnormal EKG parts and rhythms, with pathology-pattern recognition such as hypocalcemia and hypothermia.

### ACLS Protocols

The ACLS Protocols cardiac scenario simulator teaches you to apply the American Heart Association's arrhythmia treatment algorithms to clinical situations. The program allows you to select from multiple scenarios, then manage the patient by interpreting the on-screen data and EKG's while entering treatment orders.

*"Incredibly helpful to the ACLS learner."*

*ST World*

*"Recommend it to anyone involved in the care of critical patients."*

*Computer News for Physicians*

The program is useful for all who must pass the "megacode" portion of ACLS certification. Practice at endotracheal drugs and other "non-cookbook" situations is included. Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, PAT, ventricular ectopy, pediatric arrest, neonatal arrest, and acidosis therapy.

Like Cardiac Arrest, Code Team can be purchased individually for 69.95, or as part of the ACLS Teaching Series at 34% savings.

### About Mad Scientist Software:

Mad Scientist Software offers high-quality medical software at reasonable prices. You may know us as the publisher of the ACLS Teaching Series, sold worldwide for Advanced Cardiac Life Support education.

The PIG program was written by Bruce Argyle, MD. Dr. Argyle is a Board-certified emergency physician, practicing full-time in Salt Lake City. He is also the creator of the award-winning Cardiac Arrest simulator for desktop computer (available as part of the ACLS Teaching Series through Mad Scientist Software). His credits include Medical Staff President, President Utah Chapter American College of Emergency Physicians, and Emergency Department Chairman.

Mad Scientist Software offers continuing user support, free by phone. We also can provide special services for you at reasonable cost. For example, we can customize the PIG program for you, entering the names and addresses of your medical consultants, typing in your specialized instructions, and linking your treatment plans.

As new treatments evolve, corrections and additions may be required in the PIG database. Update text, ready for loading into your PIG system, will be available on disk on a yearly basis for a small service charge. The purchase price includes two free yearly updates.

We guarantee you won't find anything better. Send for your demo kit and see.

### How to try the PIG:

The PIG is the best patient instruction generator available. You should be sure of that before you invest your money.

We'll send a special version of the program to you free. You can try out all the program's features -- instruction printing, menu editing, text editing. The PIG has so many fabulous features we can't possibly tell you about all of them in a pamphlet.

But there's one catch. The demo program will stop working after a certain number of uses.

Call to order your demo kit today.

NOW CALLED "PAIGE"

Price Reduced!  
NEW PRICE 587<sup>95</sup>  
\$189<sup>95</sup> \$1995<sup>00</sup>  
INCLUDES DATABASE  
IBM OR MACINTOSH  
Program Alone With Full Emergency Medicine Database

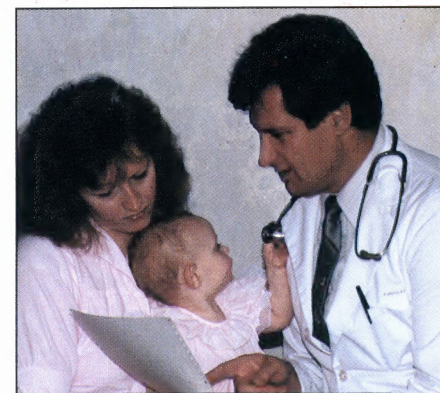


**Mad Scientist Software**  
13422 N. Bayberry Circle  
Alpine, UT 84004

**801-756-6027**

*A solution* to the problem of  
patient discharge instructions:

## The Patient Instruction Generator

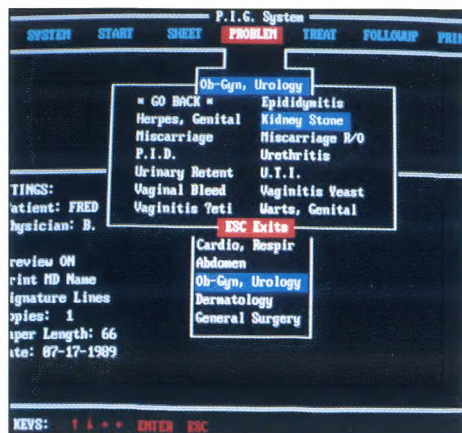


This simple to use, yet extremely powerful and flexible system provides written, customized after-care instructions. And it does it better than anything else available for any price.

## The

Tired of instruction sheets that are so vague and generalized that they tell the patient nothing? Sick of filling in so many blanks in your instruction forms that you might as well have just written it out longhand? Frustrated by having to tell the patient NOT to do things his instruction sheet says to do?

The PIG allows full customization of instructions to each patient's problem. No more "cross-out the parts that don't apply." Specific diagnosis, specific treatment recommendations, and specific follow-up instructions are selected quickly -- the entire process of generating instructions takes about ten to fifteen seconds.



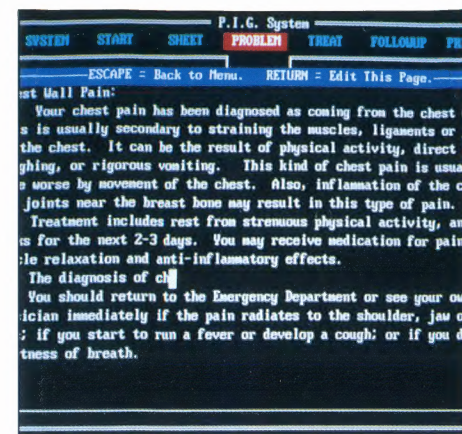
As a patient is being discharged from treatment, the physician (or nurse under direction of the physician) selects instructions from pop-down menus. For example, "Fracture Distal Fibula" might be chosen as a diagnosis education instruction, then "Splint Pending Cast," "Ice & Elevate," and "Ibuprofen" as treatment instructions, followed by "4 Day" followup instruction.

The computer then prints up a seamless instruction sheet that reads as though it had been typed just for that patient -- including the patient's name, physician's name, and date. The patient signs the instructions, and a copy is kept with the chart for documentation.

The PIG requires no memorization, and there's nothing to look up. The process is highly visual, featuring drop-down menus and pop-up submenus and dialogue boxes. The typical nurse can generate instructions expertly after a two-minute introduction.

The PIG comes with a database of over 1500 instructions, written, tested, and edited by emergency specialists.

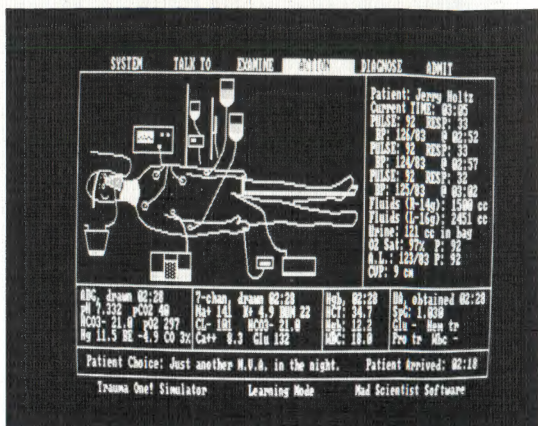
The PIG is highly adaptable. The menu system can be changed easily by the user. New items are added in seconds -- without having to look at an instruction book. The text of any instruction can be edited easily through a built-in word processor. New instructions are easily typed in, or the PIG will load text from your favorite word processor.



The PIG makes life easier in many ways. For example, your consulting physicians can be entered under the followup menu, so the patient will get the address and phone number on his instruction sheet. No more hunting for cards. No more looking up addresses and writing them longhand.

You can use the PIG "off the shelf," or you can customize it to your own needs. For example, under a special menu, your usual sequence of treatment and followup instructions for a particular diagnosis can be linked together so the entire treatment plan can be selected with a single keystroke.

The PIG requires an IBM XT, AT, or PS2 or true compatible with at least 512 kilobytes of RAM, DOS 2.0 or higher, and a hard disk drive. Of course, a printer is required to type the instructions.



#### About the Author...

Bruce Argyle MD is a board-certified emergency specialist practicing in Utah. He has been Medical Staff President, Chairman of the Department of Emergency Medicine, and a member of the Board of Governors of his hospital. He has served as President of the Utah Chapter of the American College of Emergency Physicians. He is an Associate Clinical Professor at the University of Utah School of Medicine.

Dr. Argyle's other software includes Cardiac Arrest! (winner of the Antic "Outstanding Product" Award for 1988), Code Team! (a package of ACLS training programs), Blood Gases (for A-a gradients and bedside acid-base interpretation), and The Patient Instruction Generator (a complete system for after-care instructions).

#### About the Publisher...

Mad Scientist Software was founded by Dr. Argyle in 1986, and has since sold thousands of software packages to health professionals like you. You'll find we offer unique, practical products.

#### Software Information:

Price is \$99.95 plus shipping. The software is not copy-protected. Disk updates will be available to registered owners for \$6 each when medical standards change. 30-day disk warranty. Your satisfaction is fully guaranteed.

#### Hardware requirements:

IBM compatible: For IBM XT, AT, PS2 or true compatibles. 5-1/4 or 3-1/2 inch disk. Hard disk compatible. DOS 2.0 or higher, 512K RAM required. CGA, EGA, or VGA graphics highly recommended. Not for PCjr.

MacIntosh: Call for availability.

Atari ST: Call for availability.

#### How to order:

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Mad Scientist Software  
13422 Bayberry Circle  
Alpine, UT 84004

Be sure to specify your computer type. Include \$5.00 shipping and handling.

AVAILABLE FOR  
IBM, MACINTOSH  
OR ATARI ST



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Now Available!

The most advanced medical teaching simulator we've ever offered for desktop computer...

Trauma One!

Created by  
Bruce Argyle MD

This fabulous Advanced Trauma Life Support (ATLS) simulator is perfect for learning a solid approach to the multiple trauma patient.

*Ever since the creation of the award-winning Cardiac Arrest! simulator, Mad Scientist Software has been receiving requests for a trauma simulator. At last, here it is.*

# Trauma One!

by Bruce Argyle, MD FACEP

Never has mastering Advanced Trauma Life Support (ATLS) skills been so easy. Trauma One! solidifies your approach to the trauma victim.

Trauma One! is the newest program from Bruce Argyle MD, creator of the award-winning Cardiac Arrest! ACLS simulator.

A trauma victim is presented, and you begin management. You undertake stabilization measures, obtain historical and physical exam information, order tests, and perform procedures on your patient.

Meantime, the computer is out to get you. It's looking for weaknesses in your approach -- one oversight, and the computer will make you learn the lesson the hard way.

The Trauma One! disk contains enough patients to keep you occupied for days -- and each patient can behave differently each time you resuscitate him.

Send for your copy today. It's the best way to learn solid trauma management. And it's fun.

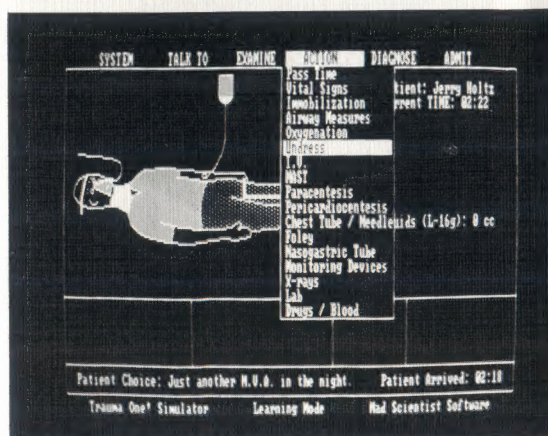
At \$99.95, Trauma One! is among the best education investments you can make -- sophisticated and complete, yet inexpensive enough for individual ownership.

## Teaches:

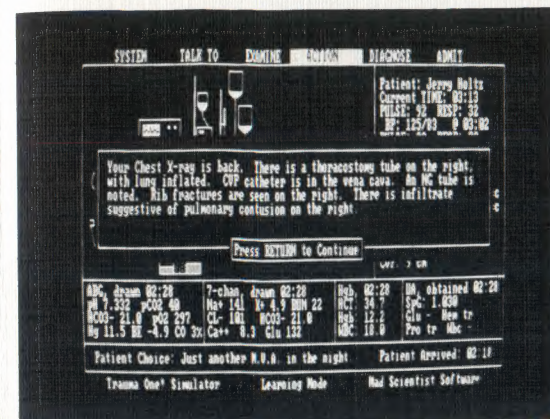
- \* ATLS procedures
- \* Therapeutic priorities
- \* Threshold for action
- \* Completeness of workup

## Features:

- \* Easy menu interface
- \* On-screen graphics
- \* Variety of patients
- \* Excellent manual



IBM screen shot using CGA graphics



IBM screen shot using CGA graphics

## Recommended for:

- \* Emergency Physicians
- \* Oral Board Preparation
- \* Surgeons
- \* Family Practicioners
- \* Emergency Nurses
- \* Paramedics
- \* Hospital Teaching Libraries

**Trauma One! \$99.95**

MAD SCIENTIST SOFTWARE USERS

# COME OUT OF THE CLOSET!



## WEAR YOUR MAD SCIENTIST T-SHIRT!!

**BRING OUT THE MAD SCIENTIST  
IN YOU!  
OR BUY ONE FOR THAT CRAZED  
MEDICO IN YOUR LIFE.**



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Alpine, UT 84004

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PERMIT NO. 79

### Mail Order Form

<i>T-shirt</i>	<i>Quantity</i>	<i>Totals</i>
Nobody Dies.....	M____ L____ XL____ XXL____	_____
Go Ahead, Code!	M____ L____ XL____ XXL____	_____
Mad Scientist Lady (no rush delivery available)	M____ L____ XL____ XXL____	_____

*Total Quantity x \$20.95*

☐ Check enclosed

☐ Visa/MC or AmEx #: \_\_\_\_\_

Exp. Date \_\_\_\_\_

Name \_\_\_\_\_

Phone: \_\_\_\_\_

Full address: \_\_\_\_\_

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Scientist  
Software  
115 E. 200 N.  
Alpine, UT  
84004

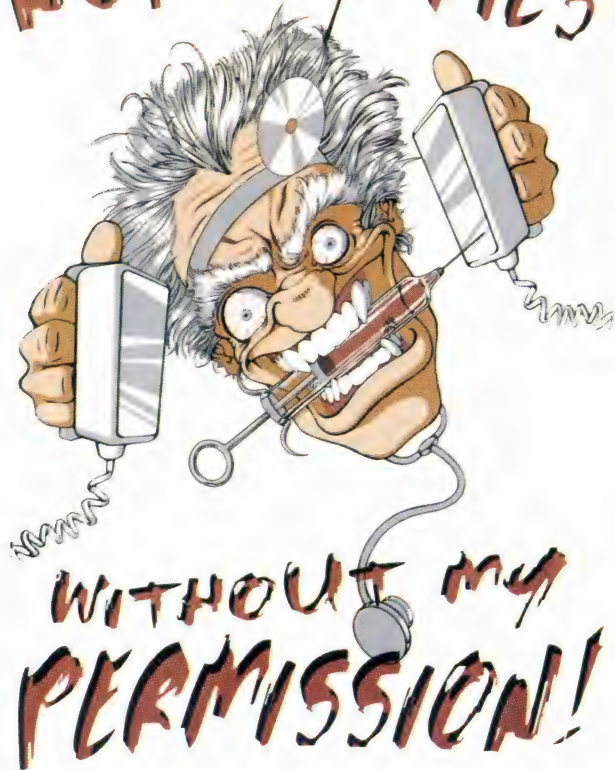
*Shipping:*

\$5 standard

\$10=2 day

\$25=1 day

**NOBODY DIES**



**GO AHEAD,**



**Nobody Dies Without My Permission!**

Heavy-duty 100% cotton.  
Art on front. Logo on sleeve.  
Color: Ash  
Sizes: XXL, XL, L, M  
Price \$20.95

**Go Ahead, Code!**

Heavy-duty 100% Cotton  
Art of front. Logo on back.  
Color: Ash  
Sizes: XXL, XL, L, M  
Price \$20.95



**Mad Scientist Software Lady**

Heavy-duty 100% Cotton  
Art of front. Logo on back.  
Color: Athletic Heather  
Sizes: XL, L, M, S  
Price \$20.95

**Call 800-250-2988 to order with your Visa/Mastercard or American Express.**  
**For information on other t-shirts and our software, go to [www.madsci.com](http://www.madsci.com).**

Want it all?  
Want it cheap?

# EmergiMed CD

All the programs in this brochure  
for only \$289.95

Own it all! The EmergiMed CD contains Cardiac Arrest, Code Team, Chest Pain Simulator, MicroEKG, Blood Gases, and Trauma One Deluxe. (Plus a limited version of our fabulous PAIGE patient discharge instruction system.) All on a convenient CD-ROM disk for Windows 3.1 or 95.

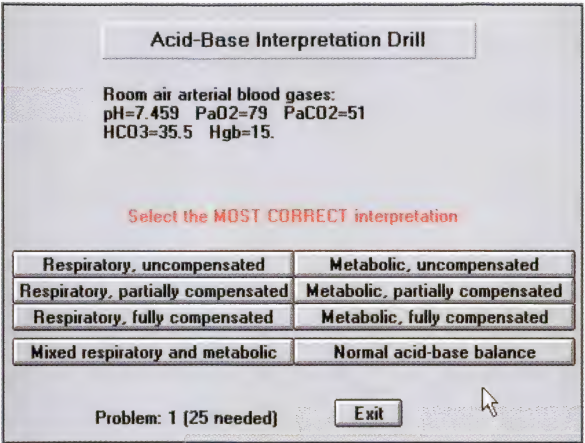
You can run the programs from CD (saving space on your hard drive), or install selected programs to your hard drive for more convenient access. These are the same great programs you would purchase individually, but at half the cost. All in one place, all for one great low price. How can you go wrong?



# Blood Gases \$69.95

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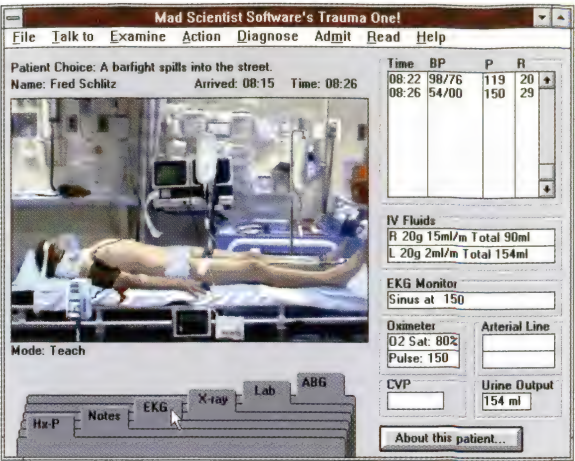
There’s a normal values drill for those just learning. For experts: an A-a gradient tutorial, calculation drill, and interpretation quiz. You’ll learn acid-base balance in a tutorial and interpretation quiz. There’s also a teaching tutorial and calculation drill for acidosis correction — very important now that “routine” bicarb is no longer given.



During any of Blood Gases' training drills, you can refer to the on-line manual for additional learning.

Not only does Blood Gases teach, but it will also interpret lung function and acid-base balance for you. You'd never expect that of such an inexpensive program.

Try Blood Gases. Find out why it's one of our most popular programs!



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Meantime, the computer is out to get you. It's looking for weaknesses in your approach — one oversight, and the computer will nail you. It's the best way to learn solid trauma management. It's fun, too.

“Absolutely fascinating” Family Practice Quarterly

Site License is \$498 (4 manuals, unlimited use). Extra Patient disks (Chest Trauma, Basic Stabilization) are available at \$29 each. Trauma One! Deluxe for Windows contains all 36 patients preinstalled.

Practical  
Medical  
Software



from Bruce Argyle, MD

### System Requirements:

486 (or better) processor, 4 MB RAM, sVGA (or better) graphics, hard drive space approx 2 MB per program, mouse, Windows 3.1 or 95. (DOS versions 1 MB RAM, VGA, 1 MB HD space per program, mouse not required.)

### Our Policy:

Absolute, unconditional, money-back 30-day satisfaction guarantee. We happily provide free technical help at our support line: 801-756-6027. You may see something that looks prettier in a catalog, but you won't find better education software anywhere. Guaranteed.

Bruce Argyle, MD

### Title

### License\*

### Price

ACLS Teaching Series	Win, DOS	\$129.95	\$498
Blood Gases	Win, DOS	\$69.95	\$298
MicroEKG	Win, DOS	\$89.95	\$498
Chest Pain Simulator	Win, DOS	\$99.95	\$498
Trauma One!	Win, DOS	\$109.95	\$498
deluxe (36 patients)		\$139.95	\$598
EmergiMed CD	Win (CD)	\$289.95	\$1499

Visa, MasterCard, American Express, Hospital POs accepted.  
Shipping \$5 (USA), COD extra.

Fax 801-763-9925. Email madsci19@idt.net. Web www.madsci.com.



Mad Scientist Software  
115 E. 200 N., 2nd floor  
Alpine, UT 84004

“A quantum leap in  
interactive medical education”  
ST World

# The ACLS Teaching Series \$129.95

## Buy Cardiac Arrest! and Code Team! in a single binder!

"A godsend for ACLS education." American Journal of Emergency Medicine  
"impressive and amazingly complete... down to earth, information packed manual." Antic  
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## Cardiac Arrest! \$89.95

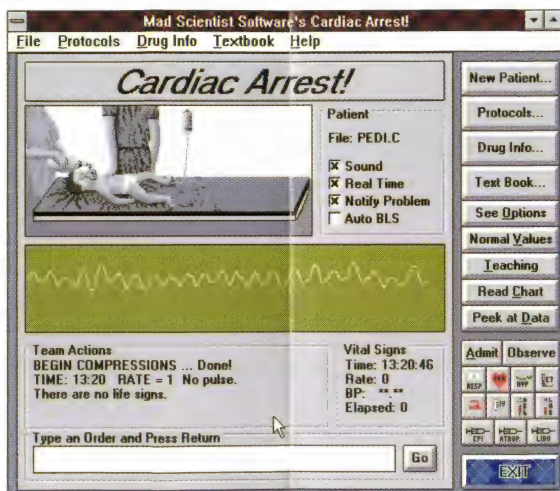
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There are 45 patient data files on the disk — but each patient behaves differently every time resuscitation is attempted. There are easy patients, hard patients, and pediatric patients.

As you resuscitate the patient, you type your "orders" in plain English, ordering virtually anything you want any way you want.

Cardiac Arrest! is incredibly easy to use. The manual provides all the medical information required. And there's an on-screen textbook, on-line protocol charts and drug information, treatment hints, and a watchful head nurse who can tell you if you're going astray.

No "choose A, B, C" type learning here. The realism gets your adrenaline going. And the simulator goes beyond standard ACLS. It poses difficult therapeutic priorities, presenting patients with problems beyond heart attacks — such as hypocalcemia, hypothermia, and hyperkalemia. Whether you're a paramedic, nurse, physician, or teaching institution, Cardiac Arrest! can meet your education needs. No wonder Cardiac Arrest! is the most-used ACLS simulator in the world! Buy it with Code Team as the ACLS Teaching Series \$129.95!



## Code Team! \$79.95

Having trouble remembering "what comes when" in the ACLS treatment algorithms? Having trouble staying awake studying for the certification test? You need Code Team! — the complete desktop computer ACLS preparation course. Code Team! is three programs:

CardioQuiz, EKG Teaching, and ACLS Protocols.

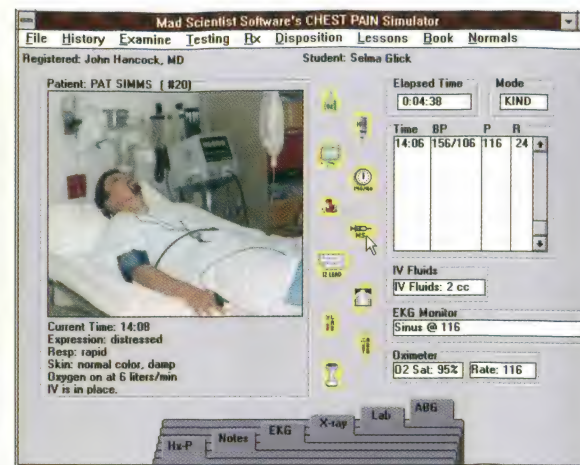
CardioQuiz covers ACLS topics in ten self-teaching quizzes. This is excellent preparation for the written ACLS certification test. The program covers airway management, IV techniques, cardiac drugs, case management priorities, Basic Life Support review, and more.

The EKG Teaching program teaches rhythm strip interpretation with tutorials and quizzes. The program covers normal and abnormal ECG parts and rhythms, with pathology

pattern recognition such as hypocalcemia, hyperkalemia, and hypothermia.

ACLS Protocols teaches you to apply the American Heart Association's arrhythmia treatment algorithms to clinical situations. The program allows you to select from multiple scenarios, then manage the patient by interpreting the on-screen data and ECGs while entering treatment orders. The program is useful for all who must pass the "megacode" portion of ACLS certification. Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, PAT, ventricular ectopy, pediatric arrest, neonatal arrest, endotracheal drugs, and acidosis therapy.

Hospital Site License for the ACLS Teaching Series  
(4 manuals, multiple installations) is \$498



## Chest Pain Simulator

\$99.95 (DOS title Time is Myocardium)

Opportunity. Danger. The workup of chest pain presents both. With thrombolytic drugs, the physician can help the MI patient as never before. Yet never has the danger been greater: Lawsuits for improper management of chest pain are the biggest-dollar loss to internists and emergency physicians.

The Chest Pain Simulator addresses both the opportunity and the danger, for both cardiac and noncardiac chest pain. You manage the Chest Pain Simulator patients like real ones: stabilize, take a full history, perform a physical exam, order and interpret tests, and give treatment orders. The computer watches your workup, looking for weaknesses.

"This program is an excellent training environment for physicians interested in learning state-of-the-art thrombolytic therapy for acute myocardial infarction." Medical Software Reviews

The Chest Pain Simulator maintains progress files for multiple students. Tutorials get you "up to speed" on chest pain workup and thrombolytic therapy. And the on-screen manual contains some of the most practical information you've ever read. Great training for the "Chest Pain ER!"

To see more screen samples and read further  
about our programs, visit our web site at

[www.madsci.com](http://www.madsci.com)

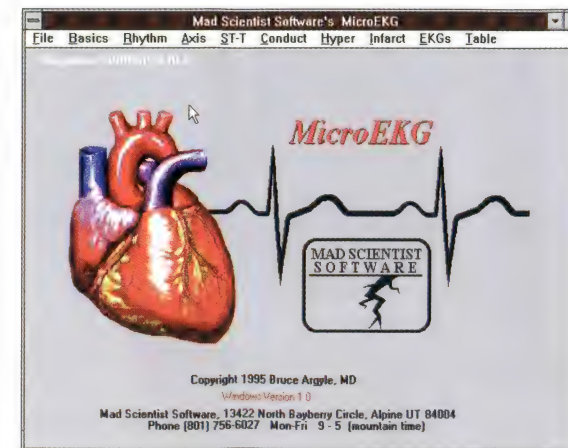
## MicroEKG \$89.95

Learn 12-lead ECG interpretation on your desktop computer with MicroEKG! There's no faster or easier way to learn to read ECGs. This program is a must-have for every hospital.

MicroEKG starts with the basics: Cardiac anatomy, ECG theory, lead placement, wave-forms, and intervals. Next you'll learn rhythm strip interpretation. Learn possible meanings of abnormal wave forms, abnormal intervals, and arrhythmias.

Once you've mastered the basics, MicroEKG goes on to the 12-lead ECG. Through interactive tutorials and quizzes, you'll learn to interpret QRS axis, infarct diagnosis, infarct location, and infarct age. You'll master diagnosis of chamber enlargement or hypertrophy, acute and chronic pericarditis, ischemia, and much more.

When you're ready, MicroEKG will present 12-lead ECGs for interpretation. You type an ECG diagnosis in



plain English, and the program evaluates your interpretation. MicroEKG provides hints, pointing out any features you may have overlooked. This program will make you a "master ECG reader" in no time.

MicroEKG includes an ECG-interpretation textbook in its manual. Hospitals and teaching institutions may purchase a Site License that allows multiple installations of the program. Site License for MicroEKG is \$498.

To order (Visa, MC, AmEx, P.O.), call

**1-800-250-2988**

# MAD SCIENTIST SOFTWARE



## Trauma One!™

and extra patient disks now available in MS™ Windows!

### NEW FEATURES!

★Great for use in or out of the classroom with new case discussions and printouts.

★Stunning graphics show a life-like patient receiving IV, ET tube, EKG, etc. per your orders.

★All the treatment data you need is at your fingertips with an automatic “chart” for X-rays, lab, etc., a scrollable treatment log, new 12-lead EKG, and a history and physical template.

★Toss your old textbook and use the new on-line textbook in *Trauma One!* to answer your questions.

Time	BP	P	R
13:49	123/82	89	19
13:52	121/82	89	19
13:55	122/82	89	18
13:58	124/82	89	17
14:01	122/83	89	20
14:04	121/82	89	18
14:07	124/84	89	16
14:10	124/84	89	17
14:13	124/82	89	16

**IV Fluids**  
 R 16g 50ml/m Total 3000ml  
 L 16g 16ml/m Total 1016ml

**EKG Monitor**  
 Sinus at 89

**Oximeter**  
 O2 Sat: 95%  
 Pulse: 89

**Arterial Line**

**CVP**  
 11 cm

**Urine Output**  
 189 ml

**About this patient...**

**Close Patient Chart**

- XT C-spine: Radiology Report
- Abdomen: Radiology Report
- Chest (reports T-spine also): Radiology Report  
Your Chest X-ray is back. There is a thoracostomy tube on the left, with inflated lung. An ET tube is in good position. CVP catheter is in the vena cava. An NG tube is noted. An angiograph is seen overlying the heart. There is a pneumothorax on the left. There is infiltrate suggestive of pulmonary contusion on the left. Fluid is seen in the left pleural sulcus. An opaque foreign body is seen over the heart.
- Facial bones: Radiology Report
- CAT Head: Radiology Report  
Your head CT scan is back. The brain appears normal.

*Trauma One!* presents a multiple trauma victim and you begin management. Undertake stabilization measures, obtain historical and physical exam information, order tests, and perform procedures on your patient. *Trauma One!* teaches therapeutic priorities, threshold for action, and completeness of workup.

Your computer looks for weaknesses in your approach. One oversight, and it will nail you.

# IMPORTANT!

In order for your computer to run the new Windows version of *Trauma One!*, it must have at least the following:

SuperVGA graphics card

4 megabytes of RAM

2.5 megabytes of free hard drive space

If your computer doesn't have all of the above, you will need to upgrade it or continue using the DOS version of *Trauma One!*



## Extra Patient Disks!

*Trauma One!* has 12 multiple trauma patients of various types. If you have already practiced those 12 and want more, or if you just want more patients on your initial purchase of *Trauma One!*, get the extra patient disks.

There are two extra patient sets, each with 12 additional patients. Patient set #1 is the set on *Trauma One!*, set #2 concentrates on **basic stabilization**, set #3 concentrates on **chest trauma**.

If you don't yet own *Trauma One!*, take advantage of our "established customer" discount (see order form).

To order with Visa/Mastercard, call

**(801)756-6027**

To fax your order, dial

**(801)763-9925**

If you are ordering an update for your *Trauma One!* program, please give us the serial number stamped on the label of your current copy. # \_\_\_\_\_

*Trauma One!* update....\$39.95 \$ \_\_\_\_\_

*T1* with extra patients...\$59.95 \$ \_\_\_\_\_

Also, take advantage of these special prices!

*Blood Gases*.....\$42 \$ \_\_\_\_\_

*Time is Myocardium*.....\$85 \$ \_\_\_\_\_

*ACLS Teaching Series*.....\$93 \$ \_\_\_\_\_

*Trauma One!* (first copy)..\$90 \$ \_\_\_\_\_

Shipping \$ 5 \_\_\_\_\_

☐ check enclosed      Total \$ \_\_\_\_\_

Visa/MC# \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

CityStateZip: \_\_\_\_\_

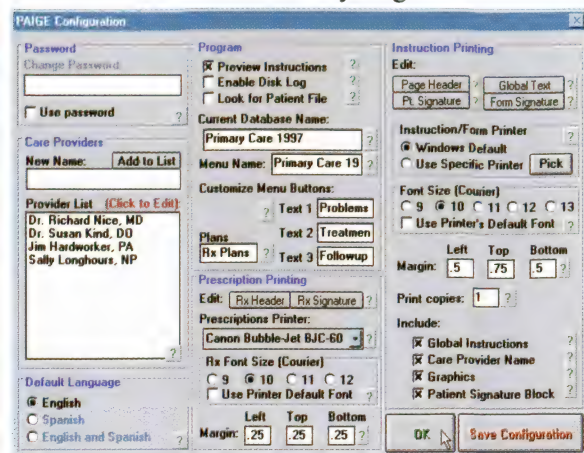
Phone: \_\_\_\_\_

**Mad Scientist Software**

115 E. 200 N.

Alpine, UT 84004

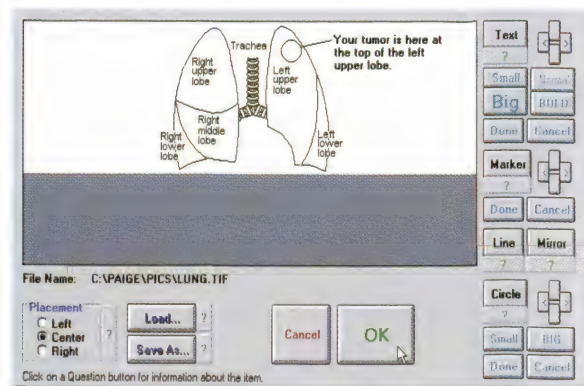
Is it hard to set up? PAIGE is really very simple, although it offers powerful options. Just type your physician list and put your address in the letterhead. You're ready to go.



How is PAIGE different? You've seen other after-care instruction programs. PAIGE is easier. PAIGE is more powerful. PAIGE is cheaper. We offer features they can't match.

For example, you can link together items from the menus (including prescriptions, pictures, and forms) to form a complete treatment plan you can pick with a single mouse-click!

As another example, you can link your favorite clip-art graphics (TIFF or BMP) to the menus. Edit or write comments on the picture.



Requirements: 486 (or better) processor, sVGA graphics, Windows 3.1 or 95, 4 meg RAM, mouse, hard drive with 3 MB available space. (A DOS version is available.) PAIGE comes with your choice of the Emergency Medicine or the Primary Care Instructions.

**PAIGE \$289.95**

(Specify Emergency or Primary Care Instructions)

Add Spanish to EM Instructions \$150

Add EM to PC Instructions \$150

Add \$5 shipping. We accept purchase orders, MC, Visa, American Express, or personal check.

**1-800-250-2988**

Fax your PO to 1-801-763-9925  
Email order to [madsci19@idt.net](mailto:madsci19@idt.net)



115 E. 200 North  
Alpine, UT 84004

Mad Scientist Software has sold popular medical education software since 1986. We offer personalized service and an unconditional 30-day money-back satisfaction guarantee. The PAIGE instructions are written and maintained by practicing physicians: Dr. Bernard Sklar (Primary Care) and Dr. Bruce Argyle (Emergency Medicine).

DEMO versions are available. To see more screen examples and program information visit our website at:  
[www.madsci.com](http://www.madsci.com)

**Legal Protection**

**Better Medicine**

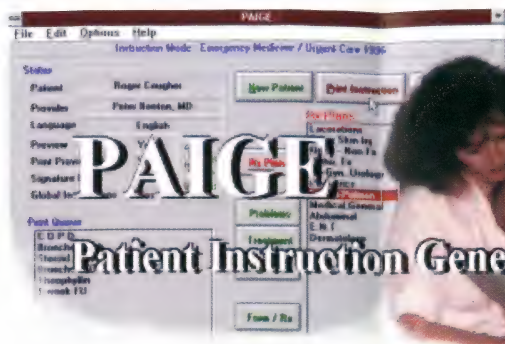
**Patient Satisfaction**



**PAIGE**

The PATient Instruction GENerator

High quality individualized  
written patient instructions



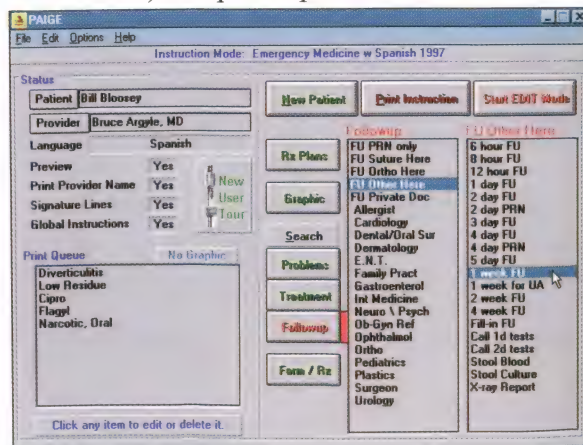
## PAIGE Features:

- Program Tour for new users
- Easy installation
- Easy configuration to meet your needs
- Simple menu system
- Quality instruction text
- Second language option
- Graphics for your instruction sheet
- “Plans” with common diagnoses & treatments
- Prescription printing
- Standard form printing
- Easily edit instruction text or graphics
- Easily create NEW instruction items
- Easily link new treatment plans
- Context-sensitive “help” buttons
- On-screen program status
- Editable “print queue”
- Second or third printer option
- Switch among several instruction databases
- Easily create new instruction databases
- Intelligent text upgrade installer
- Easy database file backup
- Electronic log of instructions given
- Password option to protect instruction data
- Shell option - run PAIGE from another program
- Retrieve patient list from another program

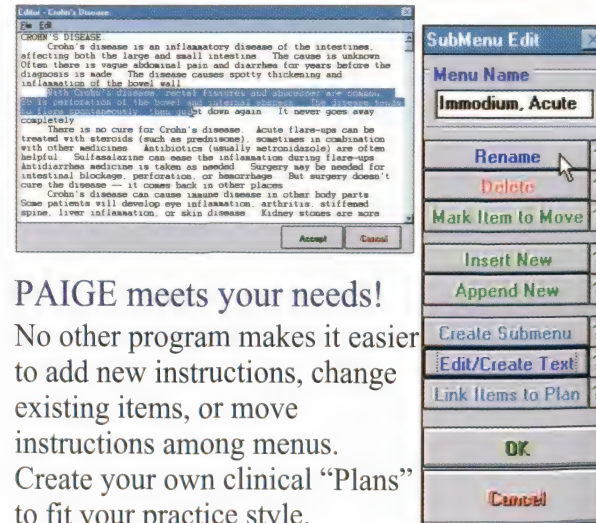
What is PAIGE? This program creates customized after-care instructions for your patients. At the end of the patient visit, the nurse takes a few seconds to pick diagnosis, treatment, and followup instruction text from easy menus. Within seconds, your printer is making written education material that exactly fits your patient’s problem — including discussion of the diagnosis, expected course, possible complications, side effects of treatment, symptoms of concern, and followup instruction. The program is very simple to use, yet powerful.

PAIGE is easy! You click a heading (e.g. Problem) then a category (e.g. Abdomen) then a text item (e.g. ulcerative colitis). The text is added to your patient’s instruction sheet. You can select text, graphics, standard forms (e.g. LP consent) and prescriptions.

PAIGE is editable! Changing instruction text is simple. After selecting the item, just click and type. You can edit text (or a graphic) for a single patient, or make permanent changes — all very easily.



PAIGE is smart! The “Plans” menu contains common diagnoses linked to their treatments and followup, selectable with a single mouse-click. Only PAIGE can do this.



## PAIGE meets your needs!

No other program makes it easier to add new instructions, change existing items, or move instructions among menus. Create your own clinical “Plans” to fit your practice style.

PAIGE is powerful! It does things that programs costing 20 times as much can’t do. You won’t find an after-care instruction module that’s better than PAIGE.

PAIGE has a money-back guarantee! See more about PAIGE on the other side.

## EKG Teaching

The "EKG Teaching" disk teaches EKG rhythm strip interpretation at a beginning level, with some "pathology pattern" recognition which can be of benefit to those already knowledgeable. There are teaching programs for EKG parts, rhythm recognition, and abnormality recognition. After the teaching programs, the user can test his knowledge with quizzes.

EKG patterns are drawn on screen, with important features pointed out for the user. The beginner can, for example, learn about RSR prime waves, depressed ST segments, and TU

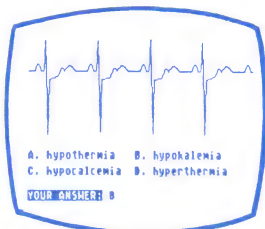
waves. The intermediate user can review recognition of V-tach, atrial fibrillation, and AV block. The advanced user can learn to recognize the telltale signs of hypocalcemia, hyperkalemia, and hypothermia.

The disk includes quizzes with feedback to reinforce learning. It's great for pathology recognition, "beyond ACLS," such as hypokalemia, hyperkalemia, hypercalcemia, etc. However, it cannot teach certain complicated rhythm disturbances or subtle abnormality recognition because of the limitations of computer screen plotting. But it's an excellent beginning for those not already trained in EKG interpretation.

### Part of ACLS Teaching Series

Purchased individually, \$29

Atari 800/XL/XE	#X-03
Atari ST	#S-03
IBM/compatibles	#I-03
Apple II+ /IIc/IIe	#A-03



## CardioQuiz

Having trouble staying awake reading the ACLS manual? Nervous about how you'll do on the written ACLS certification test? Just want to learn more? On the "CardioQuiz" disk, ACLS topics are taught in 10 self-teaching quizzes. Emphasis is on practical knowledge rather than "cheap shot" questions. You'll be amazed at the amount of learning you get for the buck.

The quizzes cover many ACLS topics. The disk includes airway management, IV techniques, cardiac drugs, Basic Life Support, case management, etc.

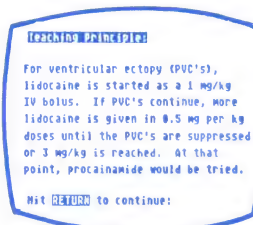
Questions and feedback are based on a blend of ACLS manual information and clinical ER experience. While no guarantee is made that users automatically pass the ACLS test, the clinical teaching on this disk is excellent preparation.

Since "CardioQuiz" was first written, ACLS standards have changed dramatically. The disk has been updated twice, and will continue to teach the newest standards. As part of Mad Scientist Software's disk owner service policy, you may receive a new (updated) version of any of our teaching disks at any time for only \$6.

### Part of ACLS Teaching Series

Purchased individually, \$19

Atari 800/XL/XE	#X-04
Atari ST	#S-04
IBM/compatibles	#I-04
Apple II+ /IIc/IIe	#A-04



**Mad Scientist Software**  
2063 North 820 West  
Pleasant Grove, UT 84062

Mad Scientist Software sells high-quality medical education software for desktop computers. Despite the unusual name, we are now the LEADING supplier of medical software for certain types of computer.

This brochure details our Advanced Cardiac Life Support (ACLS) software, the four-disk ACLS Teaching Series, which is used worldwide for hospital or individual ACLS education. Because most of our ACLS Teaching Series purchasers also buy the Blood Gases teaching disk, information on that disk is included.

We offer continuing support. Updated versions of the software will be available to registered users for \$6 when medical standards change. For the convenience of our customers, we DO NOT copy-protect our software. You're free to make backup copies to protect your investment, or to transfer the software to a hard-disk system.

Don't let the low costs fool you. This is better than anything you've seen on the market. Guaranteed.

### ACLS Teaching Series

includes CardiacArrest!  
ACLS Protocols  
EKG Teaching  
CardioQuiz

**\$109**



### Computer

IBM/compatibles  
Apple II+ /c/e  
Atari ST  
Atari 800/XL/XE

### Order #

PK-I  
PK-A  
PK-S  
PK-X

IBM-compatibles require DOS 2.0 or higher, graphics. Atari 800 requires 48K RAM, BASIC.

**Visa/MC call 801-785-3028**

## Blood Gases \$24

Does the thought of "acid-base balance" make your skin crawl? Do "A-a gradients" terrorize you like no horror movie can? Then you need Mad Scientist Software's Blood Gases teaching disk. This terrific disk teaches some of the most difficult yet important material in medicine. The Blood Gases disk succeeds where many other teaching methods fail.

Not only does "Blood Gases" teach, but if you don't want to learn anything, you can just give the computer the measured pH, PaO<sub>2</sub>, and PaCO<sub>2</sub>, and it'll calculate the HCO<sub>3</sub>, base excess, and Aa gradient, plus interpret the lung function and acid-base status for you. Not bad for \$24.

A 32 year old pool worker has been exposed to chlorine. He says he "coughed a little", but is mainly concerned about his stinging eyes. His lungs sound normal. Do the blood gases show evidence of lung injury?

Room air ABG's:  
pH:7.28 PaO<sub>2</sub>:98 PaCO<sub>2</sub>:10  
Hgb:12.9 HCO<sub>3</sub>:22 B.E.:1  
Press Y or N: Y

There's a normal values drill for those just learning. And for experts — an Aa-gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction with bicarbonate based on blood gases (VERY important now that "routine" bicarb is no longer given). And, as mentioned, there's a program which will do the interpreting for you.

The Blood Gases teaching disk can be customized for your altitude and your lab's normal values in about 45 seconds. We've run this software side-by-side with \$800 blood gas teaching software, and frankly, you'd think the OTHER program cost \$24. This disk would be a valuable addition to your ACLS Teaching Series software.

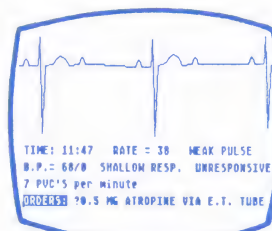
### Order part number:

Atari 800/XL/XE ..... #X-05  
Atari ST ..... #S-05  
IBM/Compatibles ..... #I-05  
Apple II+/IIc/IIe ..... #A-05

## Cardiac Arrest!

Learning ACLS (Advanced Cardiac Life Support) was never so easy — and certainly never so much fun. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs, and tell the head nurse what you want done. The effects of your order on the patient are calculated mathematically, and a new EKG and vital signs are printed. ACLS becomes a challenging computer adventure game!

*"both highly educational and fun to play . . . one of the most realistic computer simulations I have ever seen" ST World*  
*"impressive and amazingly complete . . . down-to-earth, information-packed manual . . . an invaluable study aid" Antic*



There are 45 patient data files on the disk — but each patient will behave differently each time that patient is resuscitated. As you resuscitate the patient, you type your "orders" in plain English. You can order virtually anything you want in any way you want. The computer just follows orders. To help you learn, the manual is organized to quickly give you the specific medical information you need, whether you're learning to read the EKG, or just need to review a drug dose.

This simulator goes way beyond standard "ACLS." It poses difficult therapeutic priorities, and presents patients with problems beyond heart attacks — such as hypocalcemia, hypothermia, and hyperkalemia.

### Part of ACLS Teaching Series

Purchased individually, \$69

Atari 800/XL/XE ..... #X-01  
Atari ST ..... #S-01  
IBM/compatibles ..... #I-01  
Apple II+/IIc/IIe ..... #A-01

## ACLS Protocols

Having trouble remembering "what comes when" in those new ACLS treatment algorithms? "ACLS Protocols" is a cardiac scenario simulator designed to teach the basic approach to various cardiac rhythm disturbances.

This disk is a terrific teaching aid in learning to apply ACLS treatment algorithms to clinical situations. It's highly recommended to paramedics and nurses, and all others who must pass the "megacode" portion of ACLS certification.

Physicians find it equally helpful in reviewing arrhythmia treatment steps.

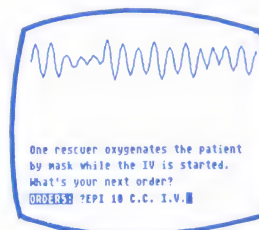
In ACLS Protocols, the computer guides the user through the appropriate treatment protocol. A brief patient history is presented, and a sample EKG is plotted across the screen. The user then enters an order in plain English. Just as in the Cardiac Arrest! simulator, no special commands or memorization (other than medical knowledge) are required. Practice at endotracheal drugs and other "non-cookbook" situations is included. The user reviews the treatment algorithm for the patient's rhythm either on-screen, or in the 36-page medical reference manual. The manual is organized to assist first-time learners.

Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, paroxysmal supraventricular tachycardia, ventricular ectopy, pediatric arrest, neonatal arrest, endotracheal drug use, and acidosis therapy.

### Part of ACLS Teaching Series

Purchased individually, \$29

Atari 800/XL/XE ..... #X-02  
Atari ST ..... #S-02  
IBM/compatibles ..... #I-02  
Apple II+/IIc/IIe ..... #A-02





60



**ORDER FORM**  
**Advanced Cardiac Life Support (ACLS)**  
developed by Mad Scientist Software

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

ACLS package Regularly priced \$109	stock #	AAOMS price	# copies	total
IBM/compatibles*	PK-I	\$90		
Apple II+/c/e	PK-A	\$90		
Atari ST	PK-S	\$90		
Atari 800/XL/XE**	PK-X	\$90		
Commodore Omega	PK-C	\$90		
Apple Mac	PK-M	\$90		
Blood Gases disk Regularly priced \$24		\$20		

Subtotal

Shipping (Add \$15.00 if overseas air)

Total enclosed

\*IBM-compatibles require DOS 2.0 or higher graphics

\*\*Atari 800 requires 48K RAM, BASIC.

**Only prepaid orders will be processed!**

Send order to: AAOMS - ACLS

9700 West Bryn Mawr Avenue  
Rosemont, Illinois 60018-5701

**Disk #5: Blood Gases  
(OPTIONAL)**

This terrific disk teaches some of the most difficult yet important material in medicine. The Blood Gases disk succeeds where many other teaching methods fail.

Not only does "Blood Gases" teach, but if you don't want to learn anything, you can just give the computer the measured pH, PaCO<sub>2</sub>, and it'll calculate the HCO<sub>3</sub>, base excess and Aa gradient, plus interpret the lung function and acid-base status for you.

There's a normal values drill for those just learning. And for experts - an Aa-gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction with bicarbonate based on blood gases (VERY important now that "routine" bicarb is no longer given). And, as mentioned, there's a program which will do the interpreting for you.

The Blood Gases teaching disc can be customized for your altitude and your lab's normal values in about 45 seconds.

Order part #:

Atari 800/XL/XE.....X-05

Atari ST.....S-05

IBM/Compatibles.....I-05

Apple II+/IIc/IIe.....A-05

Commodore Omega.....C-05

Apple Mac.....M-05

**Mad Scientist Software offers continuing support. As part of Mad Scientist's disk owner service policy, you may receive a new (updated) version of any of their teaching disks at any time for ONLY \$6.**



## SPECIAL OFFER TO AAOMS MEMBERSHIP!

**ADVANCED CARDIAC  
LIFE SUPPORT  
(ACLS)**

**TEACHING SERIES**

Developed by  
Mad Scientist Software  
Pleasant Grove, UT

## ACLS TEACHING SERIES

The ACLS Teaching Series computer software package available from Mad Scientist Software, Pleasant Grove, Utah is a four (4) disk program based upon the Advanced Cardiac Life Support Program. This computerized format is presented through a series of patient responses to the operator's commands.

The software package consists of the following:

### Cardiac Arrest!

Learning ACLS was never so easy - and certainly never so much fun. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs, and tell the head nurse what you want done. The effects of your order on the patient are calculated mathematically, and a new EKG and vital signs are printed. ACLS becomes a challenging computer adventure game!

There are 45 patient data files on the disk-but each patient will behave differently each time that patient is resuscitated. As you resuscitate the patient, you type your orders in plain English. You can order virtually anything you want in any way you want. The computer just follows orders. To help you learn, the manual is organized to quickly give you the specific medical information you need, whether you're learning to read the EKG, or just need to review a drug dose.

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This disk is a terrific teaching aid in learning to apply ACLS treatment algorithms to clinical situations. It's highly recommended to paramedics and nurses, and all others who must pass the "megacode" portion of the ACLS certification. Physicians find it equally helpful reviewing arrhythmia treatment steps.

In ACLS Protocols, the computer guides the user through the appropriate treatment protocol. A brief patient history is presented, and a sample EKG is plotted across the screen. The user then enters an order in plain English. Just as in the Cardiac Arrest! simulator, no special commands or memorization (other than medical knowledge) are required. Practice at endotracheal drugs and other "non-cookbook" situations is included. The user reviews the treatment algorithm for the patient's rhythm either onscreen, or in the 36-page medical reference manual. The manual is organized to assist first time learners.

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### EKG Teaching

The "EKG Teaching" disk teaches EKG rhythm strip interpretation at a beginning level, with some "pathology pattern" recognition which can be of benefit to those already knowledgeable. There are teaching programs for EKG parts, rhythm recognition, and abnormality recognition.

After the teaching programs, the user can test his knowledge with quizzes.

EKG patterns are drawn on screen, with important features pointed out for the user. The beginner can, for example, learn about RSR prime waves, depressed ST segments, and TU waves. The intermediate user can review recognition of V-tach, atrial fibrillation, and AV block. The advanced user can learn to recognize the telltale signs of hypocalcemia, hyperkalemia, and hypothermia.

The disk includes quizzes with feedback to reinforce learning. It's great for pathology recognition, "beyond ACLS", such as hypokalemia, hyperkalemia, hypercalcemia, etc. However, it cannot teach certain complicated rhythm disturbances or subtle abnormality recognition because of the limitations of computer screen plotting. But, it's an excellent beginning for those not already trained in EKG interp.

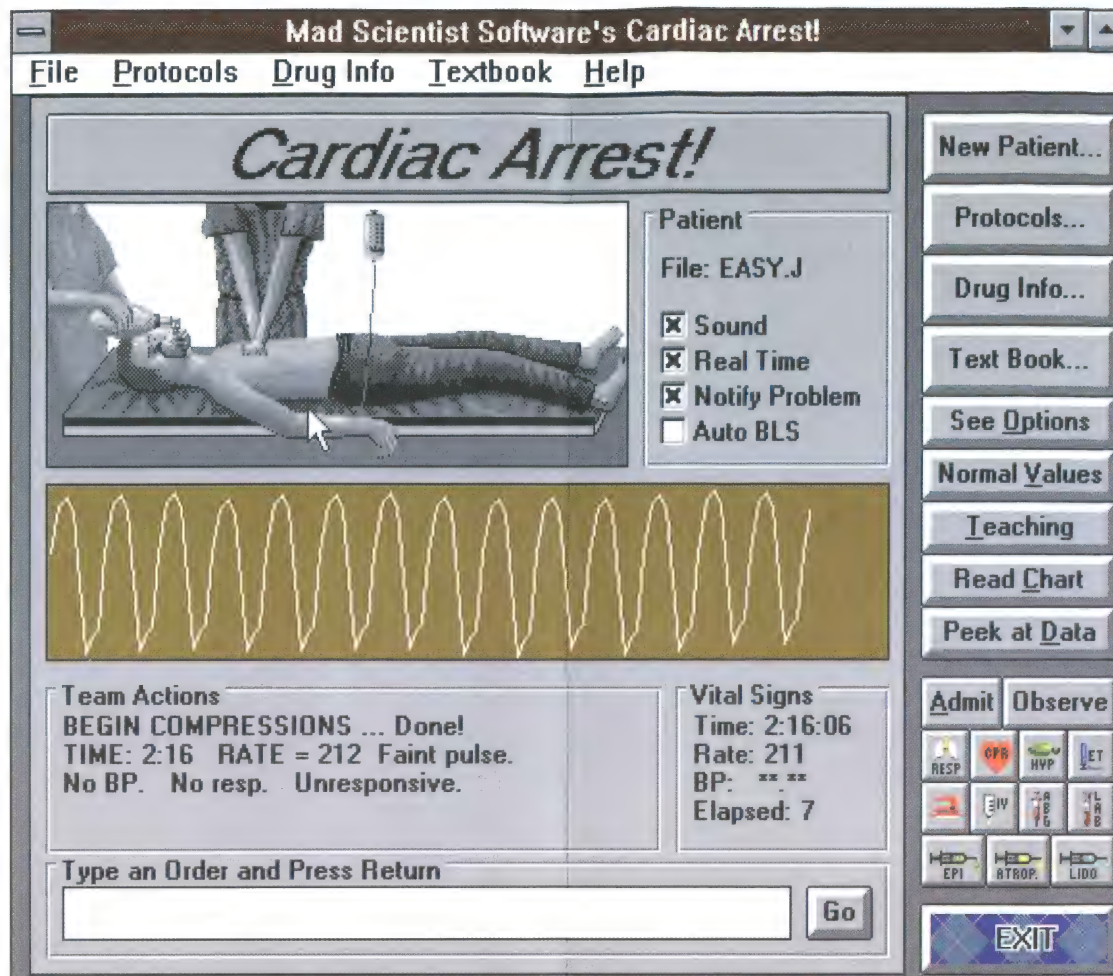
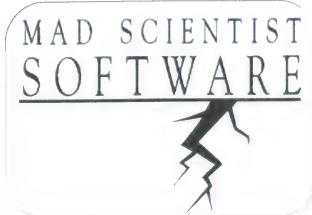
### CardioQuiz

On the CardioQuiz disk, ACLS topics are taught in 10 self-teaching quizzes. Emphasis is on practical knowledge rather than "cheapshot" questions. You'll be amazed at the amount of learning you get for the buck.

The quizzes cover many ACLS topics. The disk includes airway management, IV techniques, cardiac drugs, Basic Life Support, case management, etc. Questions and feedback are based on a blend of ACLS manual information and clinical ER experience. While no guarantee is made that users automatically pass the ACLS test, the clinical teaching on this disk is excellent preparation. Since CardioQuiz was first written, ACLS standards have been changed dramatically. The disk has been updated twice and will continue to teach the newest standards.

Your  
favorite  
ACLS  
practice  
tools...

Now in Windows™.



Now, you can run your ACLS programs under Microsoft™ Windows. Enjoy snappier graphics and convenient buttons without sacrificing any of the award-winning teaching methods of the MS-DOS *ACLS Teaching Series* from **Mad Scientist Software**.

### New Features!

When you use *Cardiac Arrest!* or *ACLS Protocols*, you see CPR being done and watch the EKG sweep across the screen. Consult the

manual without looking from the screen by using the new on-line textbook. Order the most common procedures, such as defib, epi, and ABGs with the click of a button.

*Cardioquiz* now has diagrams to illustrate topics covered. *EKG Teaching* has expanded rhythm tutorials.

Each of these programs is part of the *ACLS Teaching Series*. See back for pricing and ordering information.

## System Requirements

Minimum RAM = 4 mb

hard disk space = 1.5 mb per disk (2)

Windows™ version 3.1 or higher

VGA monitor with graphics card

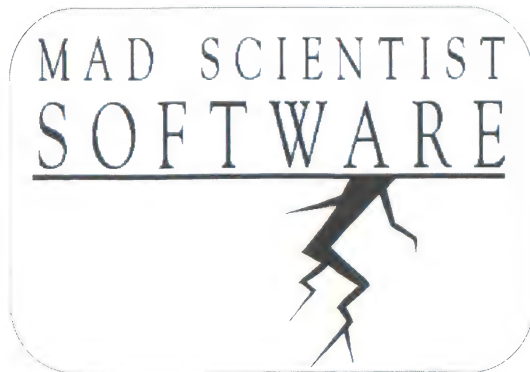
microprocessor = 80386 or higher

Macintosh equivalents of these programs are pending.

To order by phone, call

**(801)756-6027**

To fax an order, dial (801)763-9925



In order to take advantage of update prices, you must provide us with the serial numbers stamped on your original *Cardiac Arrest!* and *Code Team!* disks.

Cardiac Arrest! # \_\_\_\_\_ Code Team! # \_\_\_\_\_

Special discounts for previous customers!

Quantity

Price

ACLS Teaching Series Windows™ version upgrade.....\$39.95 ☐one ☐none \_\_\_\_\_

**Blood Gases.....regular price \$49.95 Your price \$42.00** \_\_\_\_\_

MicroEKG.....regular price \$69.95 **Your price \$59.00** \_\_\_\_\_

Trauma One!.....regular price \$99.95 **Your price \$85.00** \_\_\_\_\_

Time is Myocardium.....regular price \$99.95 **Your price \$85.00** \_\_\_\_\_

ACLS Teaching Series...regular price \$109.95 **Your price \$93.00** \_\_\_\_\_

☐ Check enclosed

shipping = \$5

Visa/Mastercard expiration date \_\_\_\_/\_\_\_\_

order total = \$ \_\_\_\_\_

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**Mad Scientist Software**

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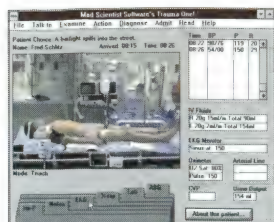
**115 E. 200 N., 2nd floor**

CityStateZip \_\_\_\_\_

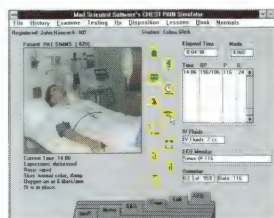
**Alpine, UT 84004**

Phone # (confidential) \_\_\_\_\_

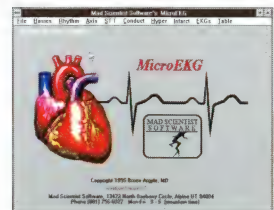
## Other Software from Mad Scientist:



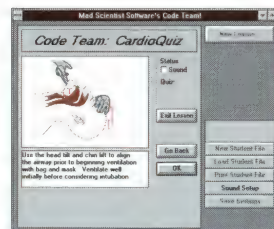
**Trauma One!** Incredible (and demanding) multiple-trauma simulator. Practice diagnosis and management of multiple life-threatening injuries. \$109.95



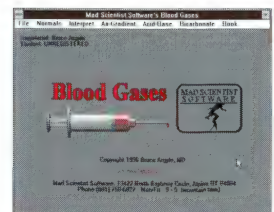
**Chest Pain Simulator.** Practice diagnosing and treating chest pain patients. Includes history and exam, testing, differential diagnosis, and thrombolytic therapy. \$99.95



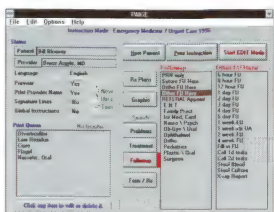
**MicroEKG.** Learn 12-lead ECGs. More in-depth than you might imagine! Chamber enlargement, blocks, rhythms, infarct location and age, and more. \$89.95



**Code Team!** ACLS training system; features rhythm strip interpretation, BLS and ACLS facts and techniques, and scenario management. \$79.95



**Blood Gases.** Learn Aa gradient calculation and interpretation, acid-base balance, bicarbonate doses, and much more. \$69.95



**PAIGE.** Patient Instruction Generator. Print a customized after-care plan for your patient in seconds. Versions for emergency medicine and primary care. \$289.95

## Cardiac Arrest! Multimedia Version \$89.95

Includes:

- Managing the Complex Resuscitation CD
- The Pediatric Resuscitation CD
- Standard (Windows 3.1) version Cardiac Arrest!

**To prepay Continuing Education Fee, add \$60**

Shipping in USA (\$10 express shipping, COD extra) \$5

Visa/MC/AmEx, Hospital PO's accepted.



**Mad Scientist Software**  
115 E. 200 N., 2nd Floor  
Alpine, UT 84004

**1-800-250-2988**

Website [www.madsci.com](http://www.madsci.com) Email [madsci19@idt.net](mailto:madsci19@idt.net)  
Fax 801-763-9925 User help 801-756-6027

**Cardiac Arrest!** has been approved by the American College of Emergency Physicians for up to 22.5 hours of ACEP Category I Credit.

The American College of Emergency Physicians is accredited by the Accreditation Council of Continuing Medical Education to sponsor continuing medical education for physicians.

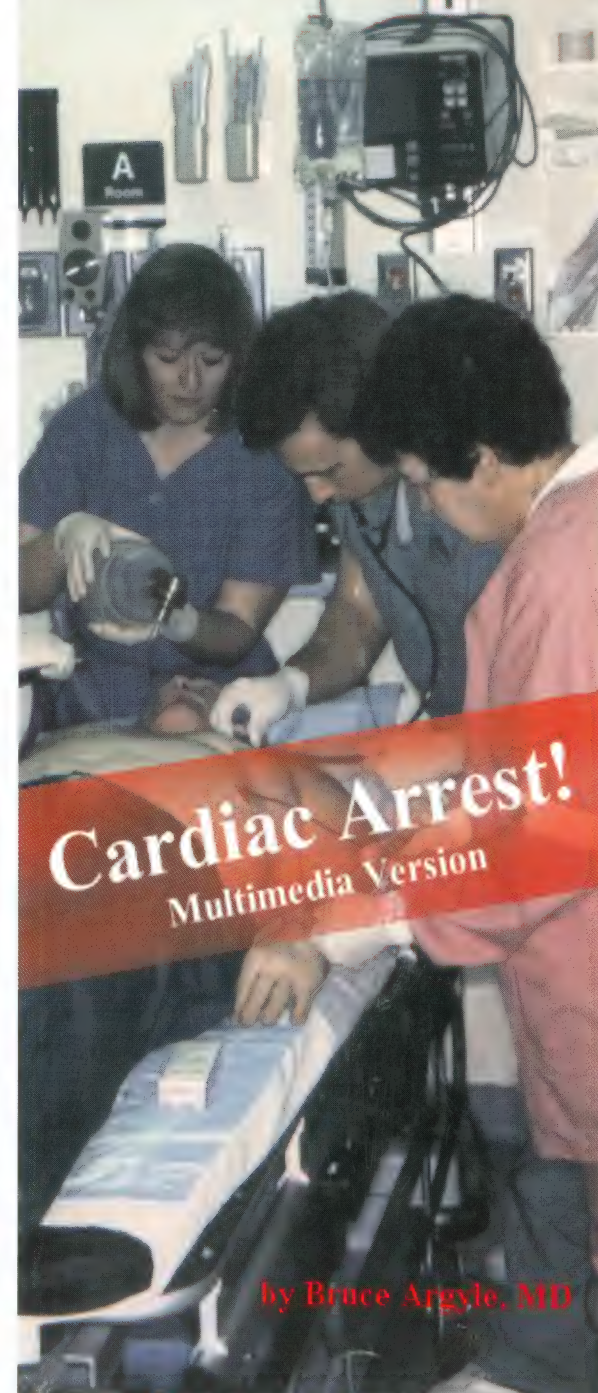
The American College of Emergency Physicians designates this educational activity for a maximum of 22.5 hours in Category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

\*This author has indicated, in accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards and the policy of the Utah Chapter, that he has a relationship that, in the context of his presentation, could be perceived by some as a real or apparent conflict of interest, (e.g., grants, ownership of stock, or honoraria or consulting fees), but this author does not consider that it will influence his presentation.

Sponsored by Utah Chapter, American College of Emergency Physicians and Mad Scientist Software and Jointly Sponsored by the American College of Emergency Physicians.

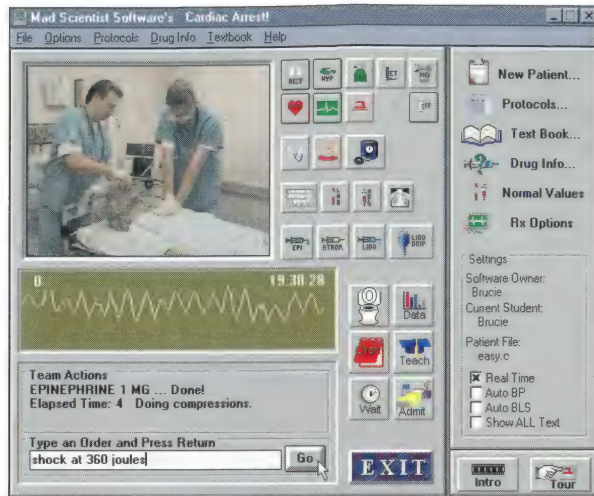


**"A godsend for ACLS education"**  
*American Journal of Emergency Medicine*



by Bruce Argyle, MD

# New! Cardiac Arrest! Multimedia Version with CME credits\*



You watch live-action video of CPR. You see your orders carried out. As you resuscitate the patient, you type treatment orders in plain English, ordering virtually anything you want any way you want. Cardiac Arrest! is incredibly easy to use. There are even buttons for some commonly-used interventions.

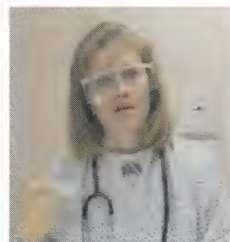


The introductory video for each patient gets your adrenaline going. Many patients pose difficult therapeutic priorities, presenting problems beyond heart attacks — such as hypocalcemia, hypothermia, and hyperkalemia. You can pick patients at random or by their specific medical problem.

Sharpening skills at Advanced Cardiac Life Support (ACLS) was never so easy — and certainly never so much fun. Cardiac Arrest! casts you in the role of emergency physician. The patient's history is presented, and the resuscitation efforts begin. You read the ECG on the computer screen, interpret the vital signs and laboratory data, and give treatment orders. ACLS becomes a challenging computer adventure game; but with real sights and real sounds.

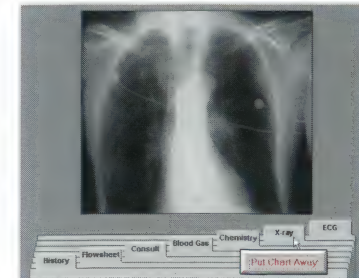
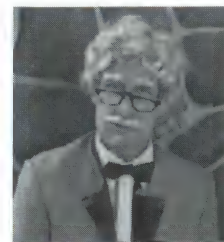
There are two Cardiac Arrest! multimedia disks: **Managing the Complex Resuscitation** (30 patients) and **The Pediatric Resuscitation** (15 patients). Patients cover a wide variety of medical problems associated with cardiovascular collapse. And each patient behaves differently every time resuscitation is attempted.

No “choose A, B, C” type learning here. The realism gets your adrenaline going. No wonder Cardiac Arrest! is the most-used ACLS simulator in the world!



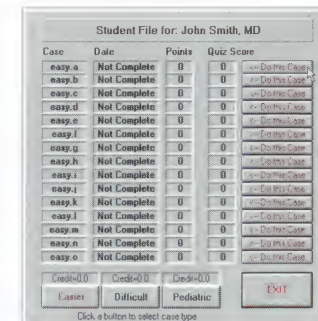
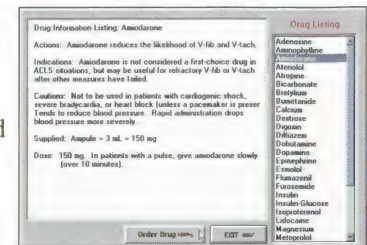
The “Mad Scientist” offers guidance when you're not getting the patient's problem fixed.

The members of your treatment team talk to you. The only thing more realistic is “the real thing.”



The patient's chart contains lab values, flowsheet, chest x-ray, 12-lead ECG, and more.

There's an on-screen textbook, on-line protocol charts and drug information, and treatment hints.



Cardiac Arrest! allows multiple students. Each student can save his or her own preferences. The program tracks CME progress.

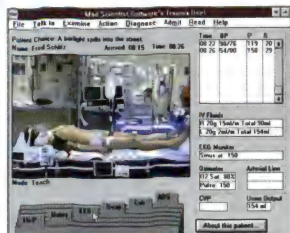
## System Requirements:

Windows 95, 8 MB RAM, Pentium processor, 4-speed (or faster) CD ROM drive, sVGA or better graphics, mouse. CME completion record requires a printer.

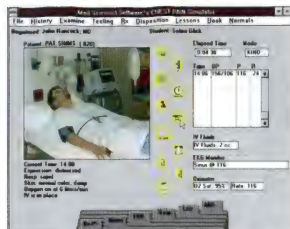
**Windows 3.1 users!** We provide a non-video version for older computers. It includes both adult and pediatric patients. It's a bit “cartoonish” and has fewer options, but it's still great educational value. See other side to order.

\*Continuing Education Credits: See other side. Intended audience is emergency physicians, internists, and others who perform cardiac resuscitation. The fee to process your application for CME credit can be prepaid, or paid at the time of submission of your completion record.

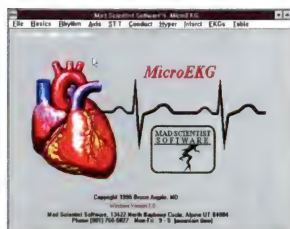
## Other Software from Mad Scientist:



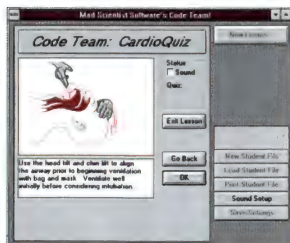
**Trauma One!** solidifies your approach to the trauma victim. Practice diagnosis and management of multiple life-threatening injuries. \$109.95



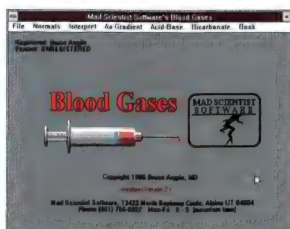
**Chest Pain Simulator.** Practice diagnosing and treating chest pain patients. Includes history and exam, testing, differential diagnosis, and thrombolytic therapy. \$99.95



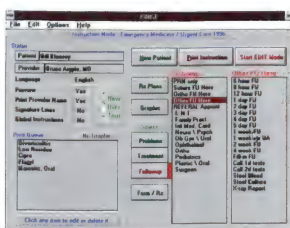
**MicroEKG.** Learn 12-lead ECG's. More in-depth than you might imagine! Chamber enlargement, blocks, rhythms, infarct location and age, ischemia, and much more. \$89.95



**Code Team! ACLS training system** is three programs: Cardio Quiz, EKG teaching and ACLS Protocols. Covers airway management, IV techniques, cardiac drugs, and more. \$79.95



**Blood Gases.** Practice Aa gradient calculations and interpretation, acid-base balance, bicarbonate doses. Even interprets lung function and acid-base balance for you. \$69.95



**PAIGE.** Patient Instruction Generator. Print a customized after-care plan for your patients in seconds. Versions for emergency medicine and primary care. \$289.95



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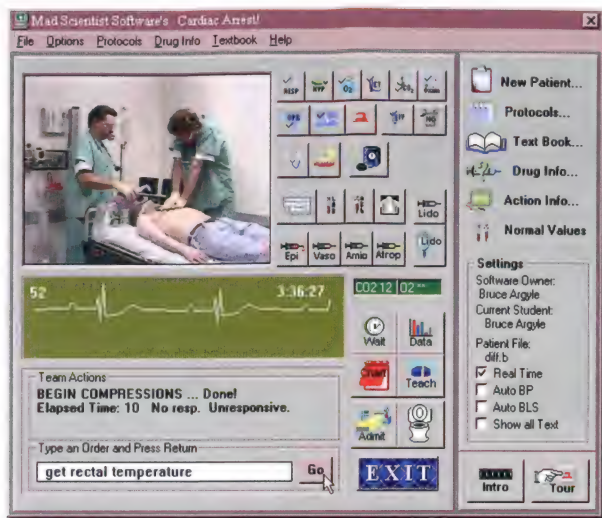
**New!**

# Cardiac Arrest!

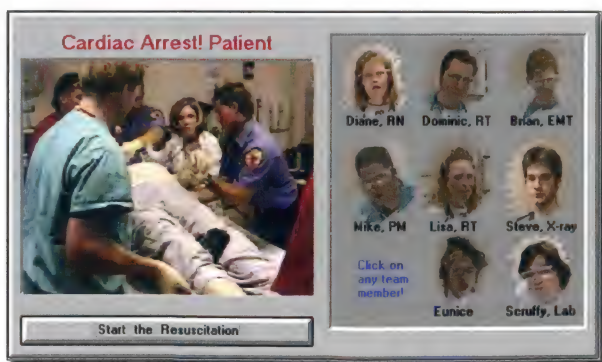
## ACLS 2000 Guidelines

**Mad Scientist software**

# New! *Cardiac Arrest!* ACLS 2000 Guidelines



Watch live-action video as your orders are carried out. As you resuscitate the patient, you type treatment orders in plain English, ordering virtually anything you want, any way you want it. *Cardiac Arrest!* is incredibly easy to use. There are even buttons for some commonly-used interventions.

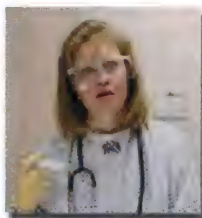


The introductory video for each patient gets your adrenaline going. Many patients pose difficult therapeutic priorities, presenting problems beyond heart attacks - such as hypocalcemia, hypothermia, and hyperkalemia. You can pick patients at random or by their specific medical problem.

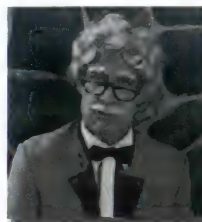
In the new "ACLS 2000 Guidelines," the American Heart Association has made the **BIGGEST** changes to ACLS algorithms and strategies in 20 years! These new strategies are difficult to learn. That's why we created the new *Cardiac Arrest!* program.

These new guidelines change the basic rates and compression-to-ventilation ratios of CPR. New drugs, such as IV Sotalol and Vasopressin, are added. Capnometers and intubation detectors are now part of ACLS. Arrhythmia treatment strategies have changed drastically -- not only in the specific recommendations, but in the basic thinking. The new *Cardiac Arrest!* program addresses these radical changes.

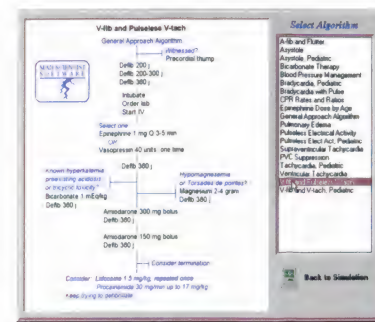
The new version still includes over 800 megabytes of adrenaline-pumping reality on 2 CDs. Live-action video in a real ER. It still includes *Cardiac Arrest! Lite*, an animated version for those who don't want (or can't use) the video version. And it's still good for up to 22.5 Category I CME credits through the American College of Emergency Physicians!



The members of your treatment team talk to you. The only thing more realistic is "the real thing."

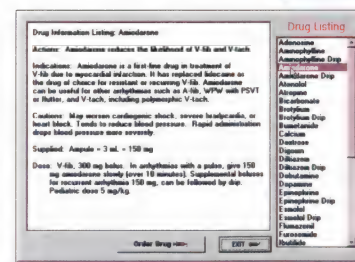
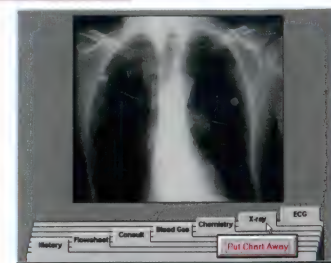


The "Mad Scientist" offers guidance when you're not getting the patient's problems fixed.



It's easy to learn arrhythmia treatment algorithms by popping up a treatment flowchart.

The patient's chart contains lab values, flowsheet, chest x-ray, 12-lead ECG, and more



There's an on-screen textbook, on-line protocols charts, drug information and treatment hints.

**Cardiac Arrest!**  
Version 3.0  
**\$99.95**

Upgrade  
Price:

**\$49.95**



[www.madsci.com](http://www.madsci.com)

**800-250-2988**

## PAIGE \$189.95

### (Patient Instruction Generator)

Every patient needs clear instructions. Not only are written instructions helpful medically (and legally), but the government requires them for emergency rooms.

PAIGE is an after-care instruction creator, editor, and printer. It's easy to use, yet flexible.

The drop-down menu system lets you provide instructions which are very specific. You pick diagnosis instructions, treatment and drug instructions, and followup instructions from the menus -- or you select a "linked" treatment plan at a single keystroke.

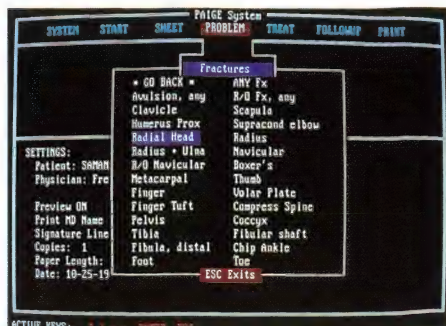
Each instruction "piece" tells your patient what the problem or treatment is, what side effects or problems can be expected, and what symptoms should make them call or return for further care.

*"Easy to use... An excellent piece of software..."*  
Medical Software Reviews, 1992

New instructions can be added, or existing instructions edited, using the "edit" mode. It's easy, with nothing to memorize, and no need to know DOS. Edit mode also allows you to link together sets of instructions you use commonly, so the entire treatment plan can be selected from a single menu choice.

If you like, PAIGE can also print common prescriptions for you. It can generate specific operative consents, work releases, and other forms.

PAIGE comes with an instruction set for emergency medicine and family medicine, ready to use. This program is real value, outperforming other instruction printing programs costing ten times as much! Your patients will be happier and better informed (and you'll get fewer "dumb" phone calls). You need PAIGE in your hospital.



## Blood Gases \$49.95

Does the thought of "acid-base balance" make your skin crawl? Do "A-a gradients" terrorize you? You need Mad Scientist Software's *Blood Gases* disk.

This terrific program teaches some of the most difficult, yet most important material in medicine. And it succeeds where many other teaching methods fail.

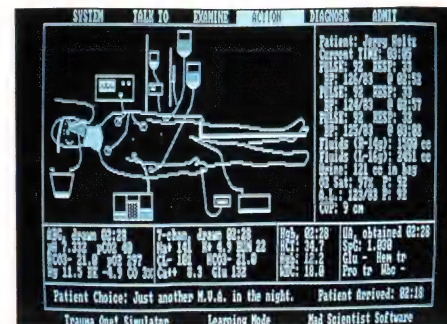
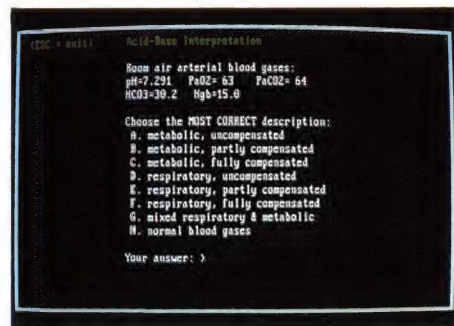
There's a normal values drill for those just learning. And for experts -- an A-a gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction -- very important now that "routine" bicarb is no longer given.

The *Blood Gases* disk can be customized for your altitude and your lab's normal values in a minute. A setup utility guides you in entering the appropriate values.

Not only does *Blood Gases* teach, but it will also interpret lung function and acid-base balance for you.

When you order your *ACLS Teaching Series*, consider adding the *Blood Gases* software. It's an excellent teaching aid.

*Blood Gases Site License is \$298. The Site License includes 4 manuals, and allows unlimited on-site use or networking.*



## Trauma One! \$99.95

Never has mastering Advanced Trauma Life Support (ATLS) skills been so easy. *Trauma One!* solidifies your approach to the trauma victim.

Like all Mad Scientist products, *Trauma One!* is from Bruce Argyle MD, creator of the award-winning *Cardiac Arrest!* ACLS simulator.

A trauma victim is presented, and you begin management. You undertake stabilization measures, obtain historical and physical exam information, order tests, and perform procedures on your patient. *Trauma One!* teaches therapeutic priorities, threshold for action, and completeness of workup.

Meantime, the computer is out to get you. It's looking for weaknesses in your approach -- one oversight, and the computer will make you learn the lesson the hard way.

The *Trauma One!* disk contains enough patients to keep you occupied for days -- and each patient can behave differently any time you resuscitate him.

Send for your copy today. It's the best way to learn solid trauma management. And it's fun. Family Practice Quarterly calls it "absolutely fascinating."

*Site License is \$498 (4 manuals, unlimited use). Extra Patient disks available at \$29 each.*



## Practical Medical Education Software



from Bruce Argyle, MD FACEP

### How to Order:

Call 801-756-6027 for Visa/MasterCard orders, or mail check or hospital purchase order. Shipping \$5 USA, \$10 for air service. COD extra. Specify computer type (include disk size if IBM).

Title	Computer Type(s)	Price	Site Lic.
ACLS Teaching Series	IBM, Macintosh, Atari ST	\$109.95	\$498
Blood Bases	IBM, Macintosh, Atari ST	\$49.95	\$298
MicroEKG	IBM (Mac pending)	\$69.95	\$498
PAIGE	IBM, Macintosh	\$189.95	\$587
Time is Myocardium	IBM (Mac pending)	\$99.95	\$498
Trauma One	IBM, Macintosh, Atari ST	\$99.95	\$498



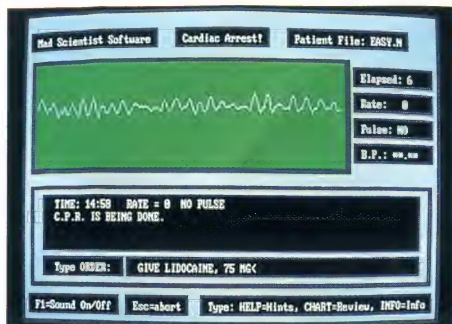
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**801-756-6027**

"A Quantum Leap in  
Interactive Medical Education"  
ST World

# The ACLS Teaching Series \$109.95

Cardiac Arrest and Code Team in a single binder!

"A godsend for ACLS education." American Journal of Emergency Medicine



## Cardiac Arrest!

\$69.95 Individual Price

Sharpening skills at ACLS (Advanced Cardiac Life Support) was never so easy -- and certainly never so much fun. *Cardiac Arrest!* casts you in the role of emergency physician. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs and laboratory data, and give treatment orders. ACLS becomes a challenging computer adventure game.

There are 45 patient data files on the disk -- but each patient behaves differently every time resuscitation is attempted. There are easy patients, hard patients, and pediatric patients.

As you resuscitate the patient, you type your "orders" in plain English, ordering virtually anything you want any way you want. No computer expertise is required to use the program. The manual provides all the medical information required.

The simulator goes beyond standard "ACLS." It poses difficult therapeutic priorities, presenting patients with problems beyond heart attacks -- such as hypocalcemia, hypothermia, and hyperkalemia. No wonder *Cardiac Arrest!* is the most-used ACLS simulator in the world!

Most of our customers buy *Cardiac Arrest!* combined with *Code Team!* (this package is called The ACLS Teaching Series) for \$109.95.

## Code Team!

\$69.95 Individual Price

Having trouble remembering "what comes when" in the ACLS (Advanced Cardiac Life Support) treatment algorithms? Having trouble staying awake studying for the written ACLS certification test? You need *Code Team!* -- the complete desktop computer ACLS preparation course. *Code Team!* is three programs: CardioQuiz, EKG Teaching, and ACLS Protocols.

**CardioQuiz** covers ACLS topics in ten self-teaching quizzes. This is excellent preparation for the written ACLS certification test.

The disk covers airway management, IV techniques, cardiac drugs, case management priorities, Basic Life Support review, and more.

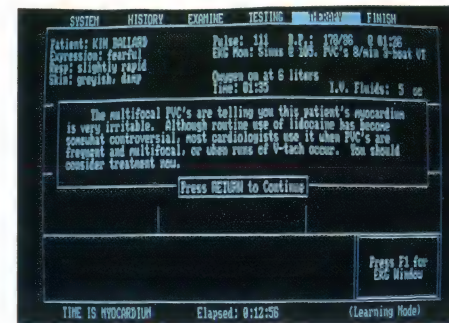
The **EKG Teaching** program teaches rhythm strip interpretation with tutorials and quizzes.

The program covers normal and abnormal EKG parts and rhythms, with pathology-pattern recognition such as hypocalcemia and hypothermia.

**ACLS Protocols** teaches you to apply the American Heart Association's arrhythmia treatment algorithms to clinical situations. The program allows you to select from multiple scenarios, then manage the patient by interpreting the on-screen data and EKG's while entering treatment orders.

The program is useful for all who must pass the "megacode" portion of ACLS certification. Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, PAT, ventricular ectopy, pediatric arrest, neonatal arrest, endotracheal drugs, and acidosis therapy.

*Site License for the ACLS Teaching Series (4 manuals, unlimited on-site use) is \$498.*



## Time is Myocardium \$99.95

Opportunity. Danger. The workup of chest pain provides both. With thrombolytic drugs, the physician can help the MI patient as never before. Yet never has the danger been greater -- lawsuits for improper management of chest pain are the biggest-dollar loss to emergency physicians.

*Time is Myocardium* addresses both the opportunity and the danger. This program simulates the workup of chest pain, including many non-cardiac causes of pain, and gives the user practice in determining the indications and contra-indications to thrombolytics.

You manage the *Time is Myocardium* patients just like real ones: stabilize, take a full history, perform a physical exam, order and interpret tests, and give treatment orders. The computer watches your workup, looking for weaknesses. It will point out problems when they occur. The program also rates your time- and cost-efficiency.

The program features drop-down menus for easy history-taking, examination, testing, and intervention. There's an on-screen 12-lead ECG. Tutorials help you get "up to speed" on thrombolytic therapy and chest pain workup. And the manual contains some of the most practical information you've ever read.

*Time is Myocardium* is a must-have for emergency physicians, internists, and family physicians who treat myocardial infarction.

*Site License for Time is Myocardium (4 manuals, unlimited on-site use) is \$498.*

To Order:

Call 801-756-6027

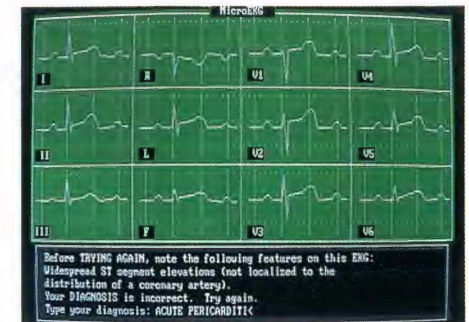
Visa, MasterCard Accepted

## MicroEKG \$69.95

Learn 12-lead ECG interpretation on your desktop computer with *MicroEKG!* There's no faster or easier way to learn to read ECG's. This program is a must-have for every hospital.

*MicroEKG* starts with the basics: ECG theory, lead placement, wave-forms, and intervals. Next you'll learn rhythm strip interpretation. Learn possible meanings of abnormal wave forms, abnormal intervals, and arrhythmias.

Once you've mastered the basics, *MicroEKG* goes on to the 12-lead ECG. Through interactive tutorials and quizzes, you'll learn to interpret QRS axis, infarct diagnosis, infarct location, and infarct age. You'll master diagnosis of chamber enlargement or hypertrophy, acute and chronic pericarditis, ischemia, and much more.



When you're ready, *MicroEKG* will present 12-lead ECG's for interpretation. You type in your ECG diagnosis in plain English, and the program evaluates your interpretation. *MicroEKG* provides hints, pointing out any features you may have overlooked. This program will make you a "master ECG reader" in no time.

*MicroEKG* is a great way to sharpen up ECG skills, even for physicians who look at ECG's every day. And for the beginner -- there's no better way to learn. *MicroEKG* comes with a complete manual, covering basic cardiac physiology and reinforcing ECG concepts taught in the program. All for less than the price of most textbooks.

Hospitals and teaching institutions will find *MicroEKG* extremely valuable. We recommend you purchase a Site License, which allows you unlimited use of the program. You may load the program on as many on-site computers as you like, and may make as many disk copies for your students as you need. The Site License comes with four manuals and four sets of master disks. Site License for *MicroEKG* is \$498.

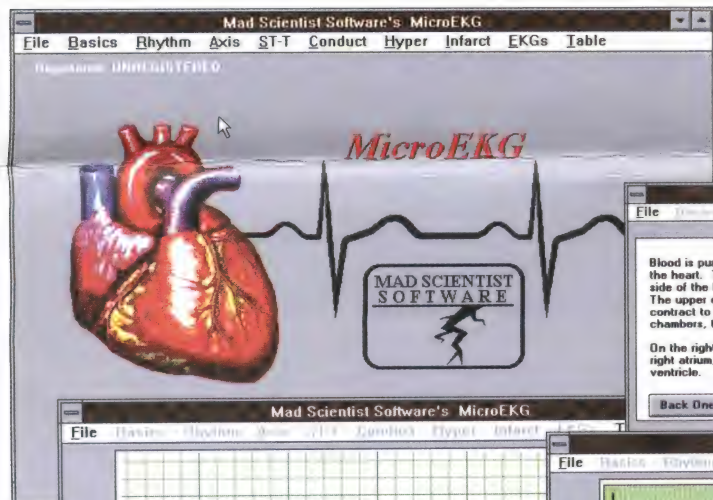
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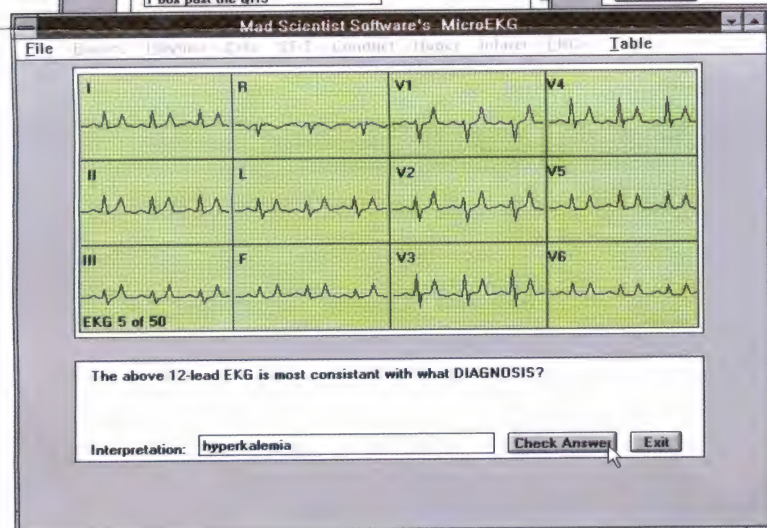
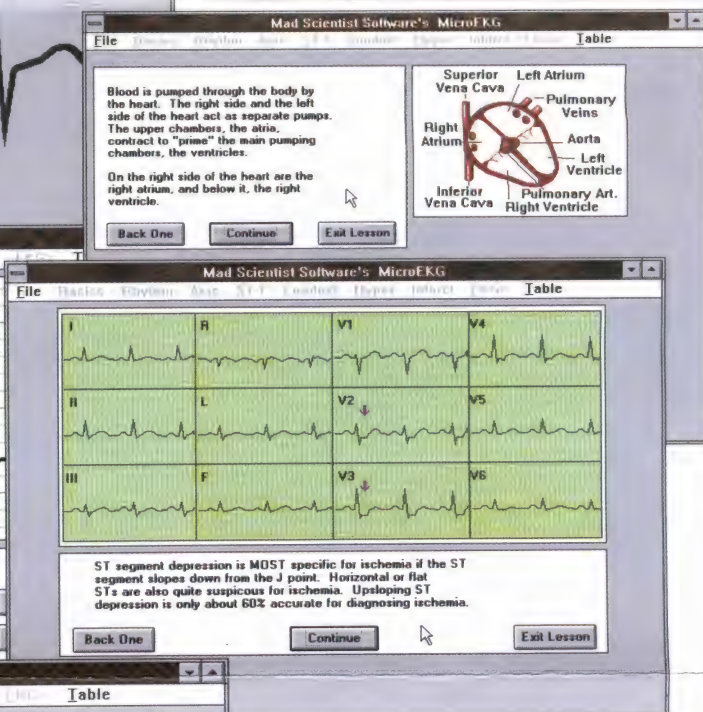
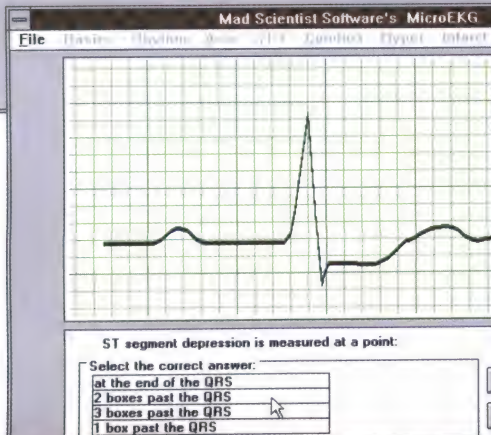


The new **MicroEKG** (for Windows 3.1 and Windows 95) is a dramatic upgrade. The teaching content has been expanded. Lessons have been rewritten for greater educational value. The graphics are stunning. Pop-down tables and charts can be reviewed during a lesson. You can create score files for multiple students and print education certificates. You'll love the new version! Order now — this discount is for a limited time. **Regular price \$89.95.**

**Your Price  
\$39.95**



Each MicroEKG section has 4 to 9 smaller lessons. Questions are scattered through the lessons to monitor your progress. The program keeps track of completed lessons.



Take a 12-lead EKG or rhythm quiz. Or look up a diagnosis to see a typical EKG for that condition.

<b>MicroEKG</b>	<b>\$39.95</b>
<b>Blood Gases</b>	<b>\$29.95</b>
<b>Chest Pain Simulator</b>	<b>\$39.95</b>
<b>Buy all three!</b>	<b>\$100</b>

**Call today: 801-756-6027**  
 Mad Scientist Software  
 115 E 200 N, 2nd Floor  
 Alpine, UT 84004

**#1**

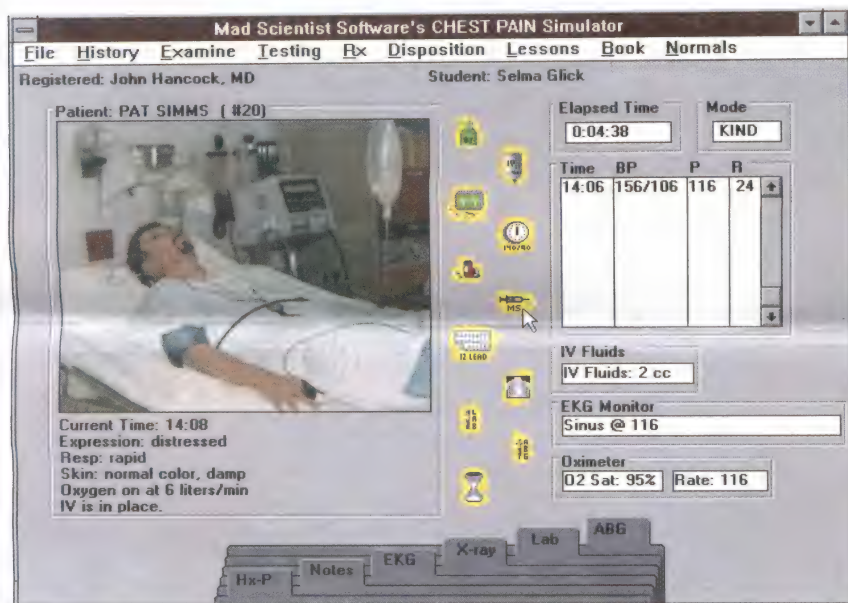
#2



Chest Pain Simulator

The **Chest Pain Simulator** teaches stabilization, workup, and treatment of the chest pain patient. Formerly "Time is Myocardium" for DOS, this program has been improved so much we had to rename it! Watch the patient's appearance change during treatment. Click on the "shortcut" treatment icons. Review vital signs in a scrolling window. Open the chart to see the 12-lead EKG, lab and x-ray results, and the treatment record. Very realistic! **Regular price \$99.95.**

**Your Price**  
**\$39.95**



Read about causes of chest pain, approach to the patient, workup and disposition, and thrombolytic therapy in the on-line manual.

Work through the on-line tutorials and quizzes (even in the middle of a patient encounter).

Multi-user option allows individual files to track each student's progress through the tutorials and patient encounters. Can print educational certificates for each user.

Any therapeutic error or inappropriate treatment priority is pointed out to the user immediately.

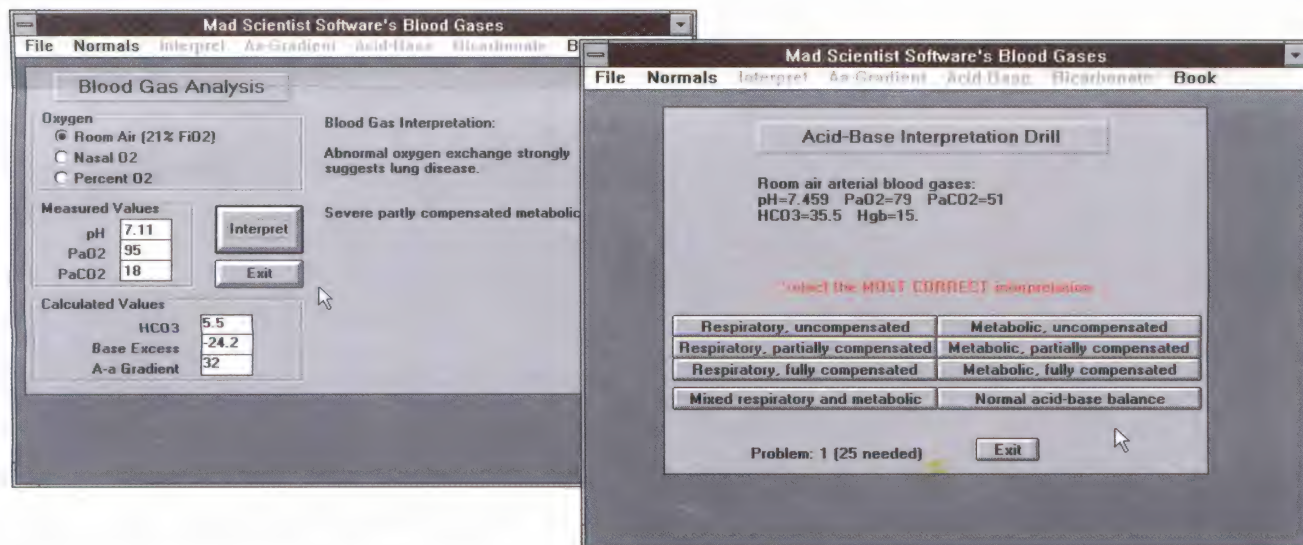
#3



Blood Gases

Our **Blood Gases** program has always been a best-seller. Under Windows it's even better! There's an on-line textbook packed with information on lung function, acid-base physiology, and therapies. You can pop up a Normal Values chart or use your Windows calculator in the middle of a lesson. There are more clinical cases. Allows multiple student files, tracking each student's progress. **Blood Gases** can print an education certificate for each user. **Regular price \$69.95.**

**Your Price**  
**\$29.95**



**Note:** The ACLS Teaching Series and Trauma One! are available in Windows versions. If you missed our first upgrade offer, call us at 801-756-6027. **Upgrade prices: ACLS Teaching Series \$49.95, Trauma One! \$49.95.**

### About Mad Scientist Software:

Mad Scientist Software offers high-quality medical software at reasonable prices. You may know us as the publisher of the ACLS Teaching Series, sold worldwide for Advanced Cardiac Life Support education.

The PIG program was written by Bruce Argyle, MD. Dr. Argyle is a Board-certified emergency physician, practicing full-time in Salt Lake City. He is also the creator of the award-winning Cardiac Arrest simulator for desktop computer (available as part of the ACLS Teaching Series through Mad Scientist Software). His credits include Medical Staff President, President Utah Chapter American College of Emergency Physicians, and Emergency Department Chairman.

Mad Scientist Software offers continuing user support, free by phone. We also can provide special services for you at reasonable cost. For example, we can customize the PIG program for you, entering the names and addresses of your medical consultants, typing in your specialized instructions, and linking your treatment plans.

As new treatments evolve, corrections and additions may be required in the PIG database. Update text, ready for loading into your PIG system, will be available on disk on a yearly basis for a small service charge. The purchase price includes two free yearly updates.

We guarantee you won't find anything better. Send for your demo kit and see.

### How to try the PIG:

The PIG is the best patient instruction generator available. You should be sure of that before you invest your money.

We'll send a special version of the program to you free. You can try out all the program's features -- instruction printing, menu editing, text editing. The PIG has so many fabulous features we can't possibly tell you about all of them in a pamphlet.

But there's one catch. The demo program will stop working after a certain number of uses.

Call to order your demo kit today.

Price Reduced!

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**\$1995.00**

With Full Emergency  
Medicine Database



**Mad Scientist Software**  
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Alpine, UT 84004

**801-756-6027**

*A solution* to the problem of  
patient discharge instructions:

## The Patient Instruction Generator



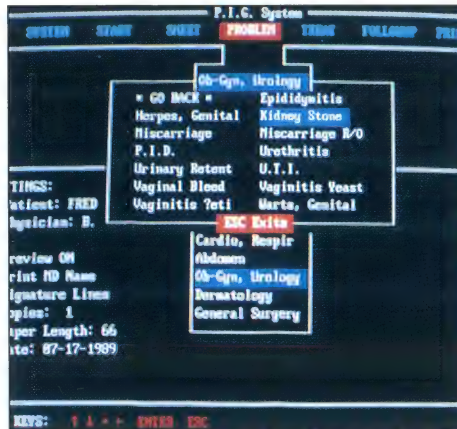
This simple to use, yet extremely powerful and flexible system provides written, customized after-care instructions. And it does it better than anything else available for any price.

## The Patient Instruction Generator

Known affectionately to physicians and nurses as "the PIG," the Patient Instruction Generator is the most comprehensive, most flexible patient discharge instruction creator available. Yet it's also one of the easiest to use.

Tired of instruction sheets that are so vague and generalized that they tell the patient nothing? Sick of filling in so many blanks in your instruction forms that you might as well have just written it out longhand? Frustrated by having to tell the patient NOT to do things his instruction sheet says to do?

The PIG allows full customization of instructions to each patient's problem. No more "cross-out the parts that don't apply." Specific diagnosis, specific treatment recommendations, and specific follow-up instructions are selected quickly -- the entire process of generating instructions takes about ten to fifteen seconds.



### How the PIG is used:

As a patient is being discharged from treatment, the physician (or nurse under direction of the physician) selects instructions from pop-down menus. For example, "Fracture Distal Fibula" might be chosen as a diagnosis education instruction, then "Splint Pending Cast," "Ice & Elevate," and "Ibuprofen" as treatment instructions, followed by "4 Day" followup instruction.

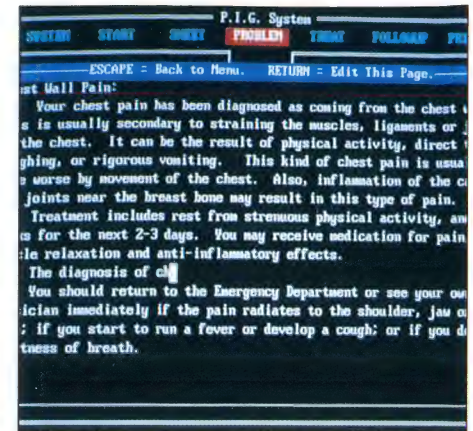
The computer then prints up a seamless instruction sheet that reads as though it had been typed just for that patient -- including the patient's name, physician's name, and date. The patient signs the instructions, and a copy is kept with the chart for documentation.

### Why the PIG is better:

The PIG requires no memorization, and there's nothing to look up. The process is highly visual, featuring drop-down menus and pop-up submenus and dialogue boxes. The typical nurse can generate instructions expertly after a two-minute introduction.

The PIG comes with a database of over 1500 instructions, written, tested, and edited by emergency specialists.

The PIG is highly adaptable. The menu system can be changed easily by the user. New items are added in seconds -- without having to look at an instruction book. The text of any instruction can be edited easily through a built-in word processor. New instructions are easily typed in, or the PIG will load text from your favorite word processor.



The PIG makes life easier in many ways. For example, your consulting physicians can be entered under the followup menu, so the patient will get the address and phone number on his instruction sheet. No more hunting for cards. No more looking up addresses and writing them longhand.

You can use the PIG "off the shelf," or you can customize it to your own needs. For example, under a special menu, your usual sequence of treatment and followup instructions for a particular diagnosis can be linked together so the entire treatment plan can be selected with a single keystroke.

### What the PIG needs:

The PIG requires an IBM XT, AT, or PS2 or true compatible with at least 512 kilobytes of RAM, DOS 2.0 or higher, and a hard disk drive. Of course, a printer is required to type the instructions.

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**NEW**

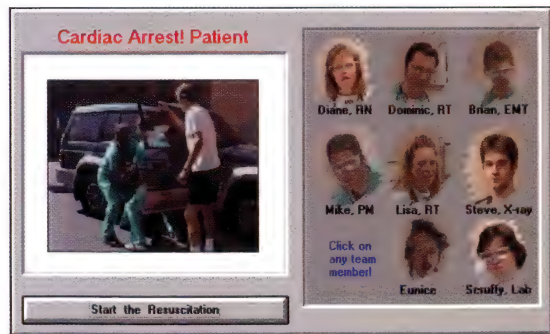
# Cardiac Arrest! Multimedia Medical Simulation Program For Pharmaceutical Promotion and Medical Education.

**NEW**

## Approved for CME Category 1 Credit



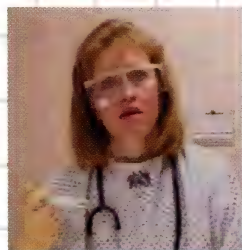
You watch live action video of CPR. You see your orders carried out. As you resuscitate the patient, you type treatment orders in plain English, ordering virtually anything you want any way you want. There are even buttons for commonly used interventions. Cardiac Arrest! is incredibly easy to use.



The introductory video for each patient creates a sense of urgency and realism. Many patients pose difficult therapeutic priorities, presenting problems beyond heart attacks - such as hypocalcemia, hypothermia, and hyperkalemia. You can select patients at random or by medical condition. Or let us "create" additional patients with specific medical conditions based on your marketing and educational objectives.

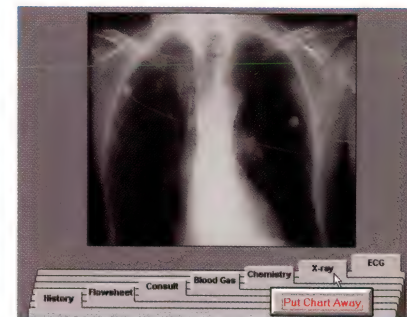
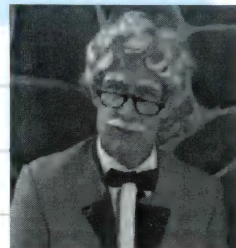
**S**harpening skills at Advanced Cardiac Life Support (ACLS) was never so easy - and certainly never so much fun. Cardiac Arrest! casts you in the role of physician. The patient's history is presented and the resuscitation efforts begin. You read the ECG on the computer screen, interpret the vital signs and lab data, and give treatment orders.

Patients have a wide range of medical problems associated with cardiovascular collapse. And each patient behaves differently every time resuscitation is attempted. The realism gets your adrenaline going.



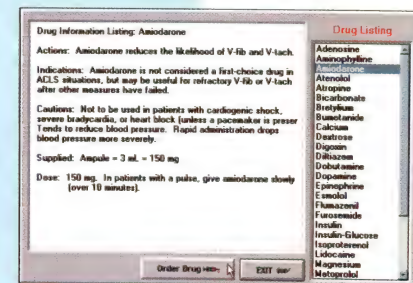
The members of your treatment team talk to you. The only thing more realistic is "the real thing".

Cardiac Arrest! has its own "Mad Scientist" who offers guidance when you're not getting the patient's problem resolved.



The patient's chart contains lab values, flowsheet, chest x-ray, 12-lead ECG, and more.

There's an on-screen textbook, on-line protocol charts and drug information, and treatment hints. Detailed information about the sponsoring pharmaceutical company's product is readily available.



### Customization

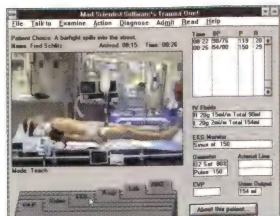
An introductory video from the sponsoring pharmaceutical company welcomes you to the simulation. During the simulation, product logo is continually displayed. Where applicable, the pharma product can be featured as the suggested therapeutic option. Packaging services are also available.

### System Requirements:

Windows 95, 8 MB Ram, Pentium processor, 4 speed (or faster) CD Rom, sVGA or better graphics, mouse. CME completion requires a printer. For physicians with older computers, a non-video version on floppy diskette is available.

## Other Software from Mad Scientist

Customized with Your Logo and Product Information.

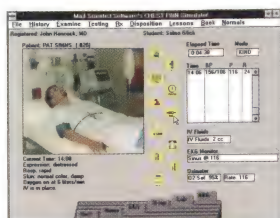


### Trauma One!

Demanding multiple trauma simulator. Practice diagnosis and management of multiple life-threatening injuries.

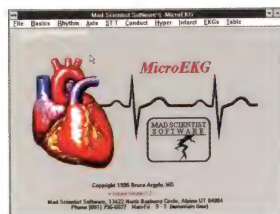
### Chest Pain/Thrombolytic Therapy Simulator

Practice diagnosing and treating chest pain patients. Includes history and exam, testing, differential diagnosis, and thrombolytic therapy. Utilize your company's thrombolytic as the therapeutic option.



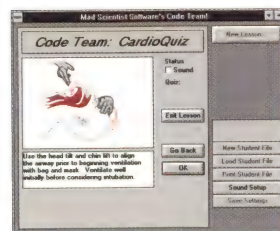
### MicroEKG

Learn 12-lead ECG's. More in-depth than you might imagine! Chamber enlargement, blocks, rhythms, infarct location and age, and more.



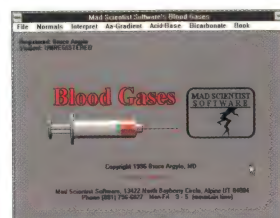
### Code Team!

ACLS training system; features rhythm strip interpretation, BLS and ACLS facts and techniques, and scenario management.



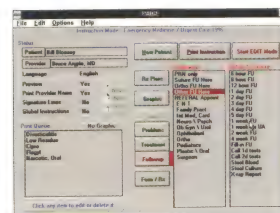
### Blood Gases

Learn Aa gradient calculation and interpretation, acid-base balance, bicarbonate doses, and much more. Also ideal for respiratory therapists.



### PAIGE, the Patient Instruction Generator:

Pharmacies provide patient instructions. Now physicians can as well. Print a customized after-care plan for patients in seconds. Your product appears in the superior position for each relevant medical condition. Spanish and English versions.



## MAD SCIENTIST SOFTWARE,

a leading producer of outstanding medical simulation and educational software programs, was founded by Bruce Argyle, MD. Anatomic is the exclusive distributor for pharmaceutical industry promotion and education.

### Cost

In higher quantities, cost per program may be as low as five dollars. Needless to say, perceived value is much higher. For a fraction of the cost of a medical textbook, recipients can receive a promotional educational product of considerable value and practicality.

### Audience

Mad Scientist Software is well received by physicians, physician assistants, nurse practitioners, medical professors, and medical students. Applications include convention giveaways, direct mail campaigns, web site downloads, and rep handouts.

### CME

Cardiac Arrest! has been approved by ACEP, accredited by ACCME, for up to 22.5 hours of Category I Credit. This further enhances the educational/promotional value of the program.

### Retention

Unlike a brochure or video which may be discarded after reading, the software and its package will likely be retained by the recipient because of its high perceived value and usefulness.

### Customization

MSS programs can be customized to your requirements including display of your logo, video introduction, prescribing information, and additional patients with specific medical conditions. Where applicable, your product can be featured as the suggested therapeutic option.

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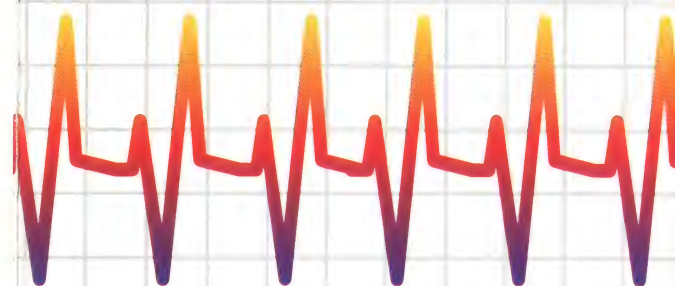
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**"A godsend for  
ACLS education"**

*American Journal of Emergency Medicine*

# Cardiac Arrest!

*Multimedia Version  
Created by Bruce Argyle, MD*



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MEDICAL CONCEPTS MADE TANGIBLE™

## Software Information:

**General:** The software is not copy-protected. Disk updates will be available to registered owners for \$6 each when medical standards change. 30-day disk warranty. Your satisfaction is fully guaranteed.

**IBM/compatibles.** For IBM XT, AT, PS2 or true compatibles. 5-1/4 or 3-1/2 inch disk. Hard disk compatible. DOS 2.0 or higher, 256K RAM required. Requires hercules or color graphics. Not for PCjr.

**Apple Macintosh.** For all systems, hard disk compatible.

**Apple II.** For IIc, IIe, IIs. 5-1/4 disk only, DOS 3.3. Not hard-disk compatible.

**Atari ST.** For all systems. Hard disk compatible.

**Atari XE.** For 800XL, 65XE, 130XE. 400, 800, 1200XL require Basic cartridge, 48K RAM. Not hard disk compatible.

**Commodore Amiga.** For all systems, hard disk compatible.

### How to order:

Call Mad Scientist Software directly at **801-756-6027** to place Visa/Mastercard orders. For check or hospital purchase order, mail your order to:

Mad Scientist Software  
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Alpine, UT 84004

Be sure to specify your computer type. Include \$3.50 shipping and handling.

Dealers and distributors, contact:

Iliad Software  
1470 South State  
Orem, UT 84058  
801-226-3270

## Blood Gases \$49.95

Does the thought of "acid-base balance" make your skin crawl? Do "A-a gradients" terrorize you? You need Mad Scientist Software's "Blood Gases" disk.

This terrific program teaches some of the most difficult, yet most important material in medicine. And it succeeds where many other teaching methods fail.

There's a normal values drill for those just learning. And for experts -- an Aa gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction -- very important now that "routine" bicarb is no longer given.

The Blood Gases disk can be customized for your altitude and your lab's normal values in a minute. A setup utility guides you in entering the appropriate values.

Not only does "Blood Gases" teach, but it will also interpret lung function and acid-base balance for you.

When you order your ACLS Teaching Series, consider adding the Blood Gases software. It's an excellent teaching aid.



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Alpine, UT 84004  
**801-756-6027**

## The ACLS Teaching Series



"A Quantum Leap in  
Interactive Medical Education"  
*ST World*



# The ACLS Teaching Series \$109.95

Because most of our customers buy both Cardiac Arrest and Code Team, they are available in a single binder at a reduced price of \$109.95 -- A terrific value. Just ask for the "ACLS Teaching Series." Thousands of sets of the ACLS Teaching Series have been sold world-wide. The software has been reviewed extensively both by computer magazines and by medical specialty publications. Because of the popularity of this software, it has been translated onto six different computer types -- the IBM, MacIntosh, Amiga, Atari ST, Atari XE, and Apple II.

Many of our customers also choose to buy the Blood Gases teaching disk. While not included in the ACLS Teaching Series, this software is an excellent value. You can read about the Blood Gases software on the reverse side.

## Cardiac Arrest !

\$69.95 Individual Price

Sharpening skills at ACLS (Advanced Cardiac Life Support) was never so easy -- and certainly never so much fun. Cardiac Arrest ! casts you in the role of emergency physician. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs and laboratory data, and give treatment orders. ACLS becomes a challenging computer adventure game.

*"both highly educational and fun... one of the most realistic computer simulations I have ever seen." ST World*

*"A godsend for ACLS education." American Journal of Emergency Medicine*

*"impressive and amazingly complete... down to earth, information packed manual." Antic*

*"realistic... excellent value." Computer News for Physicians*

There are 45 patient data files on the disk -- but each patient behaves differently every time resuscitation is attempted. As you resuscitate the patient, you type your "orders" in plain English, ordering virtually anything you want any way you want.

The simulator goes beyond standard "ACLS." It poses difficult therapeutic priorities, presenting patients with problems beyond heart attacks -- such as hypocalcemia, hypothermia, and hyperkalemia.

No computer expertise is required to use the program. The manual provides all the medical information required.

## Code Team !

\$69.95 Individual Price

Having trouble remembering "what comes when" in the ACLS (Advanced Cardiac Life Support) treatment algorithms? Having trouble staying awake studying for the written ACLS certification test? You need "Code Team !" -- the complete desktop computer ACLS preparation course.

Code Team ! consists of three programs: CardioQuiz, EKG Teaching, and ACLS Protocols.

### CardioQuiz

CardioQuiz covers ACLS topics in ten self-teaching quizzes. Emphasis is placed on practical knowledge.

*"Questions relate directly to the ACLS course."*

*ST Informer*

The disk covers airway management, IV techniques, cardiac drugs, case management priorities, Basic Life Support review, and more. This is excellent preparation for the written ACLS certification test.

### EKG Teaching

The EKG Teaching program teaches rhythm strip interpretation. EKG patterns are drawn on-screen, with important features pointed out for the user. After working through each tutorial, you can test your knowledge with a quiz.

*"Ideal for the arrhythmia recognition station of the ACLS course."*

*The American Journal of Emergency Medicine*

The program covers normal and abnormal EKG parts and rhythms, with pathology-pattern recognition such as hypocalcemia and hypothermia.

### ACLS Protocols

The ACLS Protocols cardiac scenario simulator teaches you to apply the American Heart Association's arrhythmia treatment algorithms to clinical situations. The program allows you to select from multiple scenarios, then manage the patient by interpreting the on-screen data and EKG's while entering treatment orders.

*"Incredibly helpful to the ACLS learner."*

*ST World*

*"Recommend it to anyone involved in the care of critical patients."*

*Computer News for Physicians*

The program is useful for all who must pass the "megacode" portion of ACLS certification. Practice at endotracheal drugs and other "non-cookbook" situations is included. Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, PAT, ventricular ectopy, pediatric arrest, neonatal arrest, and acidosis therapy.

Like Cardiac Arrest, Code Team can be purchased individually for 69.95, or as part of the ACLS Teaching Series at 34% savings.

## EKG Teaching

The "EKG Teaching" disk teaches EKG rhythm strip interpretation at a beginning level, with some "pathology pattern" recognition which can be of benefit to those already knowledgeable. There are teaching programs for EKG parts, rhythm recognition, and abnormality recognition. After the teaching programs, the user can test his knowledge with quizzes.

EKG patterns are drawn on screen, with important features pointed out for the user. The beginner can, for example, learn about RSR prime waves, depressed ST segments, and TU

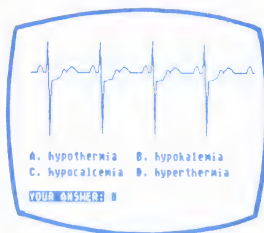
waves. The intermediate user can review recognition of V-tach, atrial fibrillation, and AV block. The advanced user can learn to recognize the telltale signs of hypocalcemia, hyperkalemia, and hypothermia.

The disk includes quizzes with feedback to reinforce learning. It's great for pathology recognition, "beyond ACLS," such as hypokalemia, hyperkalemia, hypercalcemia, etc. However, it cannot teach certain complicated rhythm disturbances or subtle abnormality recognition because of the limitations of computer screen plotting. But it's an excellent beginning for those not already trained in EKG interpretation.

### Part of ACLS Teaching Series

#### Purchased individually, \$29

Atari 800/XL/XE	#X-03
Atari ST	#S-03
IBM/compatibles	#I-03
Apple II+/IIc/IIe	#A-03



## CardioQuiz

Having trouble staying awake reading the ACLS manual? Nervous about how you'll do on the written ACLS certification test? Just want to learn more? On the "CardioQuiz" disk, ACLS topics are taught in 10 self-teaching quizzes. Emphasis is on practical knowledge rather than "cheap shot" questions. You'll be amazed at the amount of learning you get for the buck.

The quizzes cover many ACLS topics. The disk includes airway management, IV techniques, cardiac drugs, Basic Life Support, case management, etc.

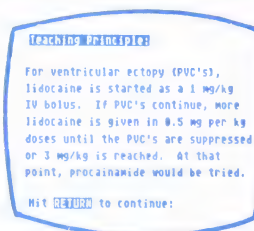
Questions and feedback are based on a blend of ACLS manual information and clinical ER experience. While no guarantee is made that users automatically pass the ACLS test, the clinical teaching on this disk is excellent preparation.

Since "CardioQuiz" was first written, ACLS standards have changed dramatically. The disk has been updated twice, and will continue to teach the newest standards. As part of Mad Scientist Software's disk owner service policy, you may receive a new (updated) version of any of our teaching disks at any time for only \$6.

### Part of ACLS Teaching Series

#### Purchased individually, \$19

Atari 800/XL/XE	#X-04
Atari ST	#S-04
IBM/compatibles	#I-04
Apple II+/IIc/IIe	#A-04



**Mad Scientist Software**  
2063 North 820 West  
Pleasant Grove, UT 84062

Mad Scientist Software sells high-quality medical education software for desktop computers. Despite the unusual name, we are now the LEADING supplier of medical software for certain types of computer.

This brochure details our Advanced Cardiac Life Support (ACLS) software, the four-disk ACLS Teaching Series, which is used worldwide for hospital or individual ACLS education. Because most of our ACLS Teaching Series purchasers also buy the Blood Gases teaching disk, information on that disk is included.

We offer continuing support. Updated versions of the software will be available to registered users for \$6 when medical standards change. For the convenience of our customers, we DO NOT copy-protect our software. You're free to make backup copies to protect your investment, or to transfer the software to a hard-disk system.

Don't let the low costs fool you. This is better than anything you've seen on the market. Guaranteed.

### ACLS Teaching Series \$109

includes CardiacArrest!  
ACLS Protocols  
EKG Teaching  
CardioQuiz

Computer	Order #
IBM/compatibles	PK-I
Apple II+/c/e	PK-A
Atari ST	PK-S
Atari 800/XL/XE	PK-X

IBM-compatibles require DOS 2.0 or higher, graphics. Atari 800 requires 48K RAM, BASIC.

Visa/MC call 801-785-3028



## Blood Gases \$24

Does the thought of "acid-base balance" make your skin crawl? Do "A-a gradients" terrorize you like no horror movie can? Then you need Mad Scientist Software's Blood Gases teaching disk. This terrific disk teaches some of the most difficult yet important material in medicine. The Blood Gases disk succeeds where many other teaching methods fail.

Not only does "Blood Gases" teach, but if you don't want to learn anything, you can just give the computer the measured pH, PaO<sub>2</sub>, and PaCO<sub>2</sub>, and it'll calculate the HCO<sub>3</sub>, base excess, and Aa gradient, plus interpret the lung function and acid-base status for you. Not bad for \$24.

A 32 year old pool worker has been exposed to chlorine. He says he "coughed a little", but is mainly concerned about his stinging eyes. His lungs sound normal. Do the blood gases show evidence of lung injury?

Room air ABG's:  
pH=7.28 PaO<sub>2</sub>=98 PaCO<sub>2</sub>=18  
Hgb=13.9 HCO<sub>3</sub>=22 B.E.=1  
Press Y or N: Y

There's a normal values drill for those just learning. And for experts — an Aa-gradient tutorial, calculation drill, and interpretation quiz. Acid-base balance is taught in a tutorial and interpretation quiz. There's a teaching tutorial and calculation drill for acidosis correction with bicarbonate based on blood gases (VERY important now that "routine" bicarb is no longer given). And, as mentioned, there's a program which will do the interpreting for you.

The Blood Gases teaching disk can be customized for your altitude and your lab's normal values in about 45 seconds. We've run this software side-by-side with \$800 blood gas teaching software, and frankly, you'd think the OTHER program cost \$24. This disk would be a valuable addition to your ACLS Teaching Series software.

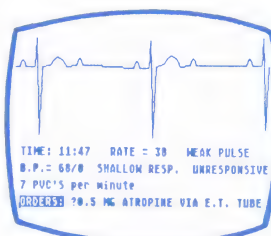
### Order part number:

Atari 800/XL/XE ..... #X-05  
Atari ST ..... #S-05  
IBM/Compatibles ..... #I-05  
Apple II + /IIc/IIe ..... #A-05

## Cardiac Arrest!

Learning ACLS (Advanced Cardiac Life Support) was never so easy — and certainly never so much fun. The patient's history is presented, and the resuscitation efforts begin. You read the EKG on the computer screen, interpret the vital signs, and tell the head nurse what you want done. The effects of your order on the patient are calculated mathematically, and a new EKG and vital signs are printed. ACLS becomes a challenging computer adventure game!

*"both highly educational and fun to play . . . one of the most realistic computer simulations I have ever seen" ST World*  
*"impressive and amazingly complete . . . down-to-earth, information-packed manual . . . an invaluable study aid" Antic*



There are 45 patient data files on the disk — but each patient will behave differently each time that patient is resuscitated. As you resuscitate the patient, you type your "orders" in plain English. You can order virtually anything you want in any way you want. The computer just follows orders. To help you learn, the manual is organized to quickly give you the specific medical information you need, whether you're learning to read the EKG, or just need to review a drug dose.

This simulator goes way beyond standard "ACLS." It poses difficult therapeutic priorities, and presents patients with problems beyond heart attacks — such as hypocalcemia, hypothermia, and hyperkalemia.

### Part of ACLS Teaching Series Purchased individually, \$69

Atari 800/XL/XE ..... #X-01  
Atari ST ..... #S-01  
IBM/compatibles ..... #I-01  
Apple II + /IIc/IIe ..... #A-01

## ACLS Protocols

Having trouble remembering "what comes when" in those new ACLS treatment algorithms? "ACLS Protocols" is a cardiac scenario simulator designed to teach the basic approach to various cardiac rhythm disturbances.

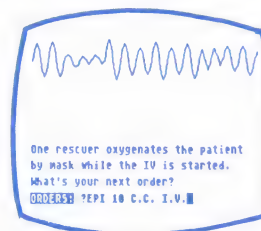
This disk is a terrific teaching aid in learning to apply ACLS treatment algorithms to clinical situations. It's highly recommended to paramedics and nurses, and all others who must pass the "megacode" portion of ACLS certification. Physicians find it equally helpful in reviewing arrhythmia treatment steps.

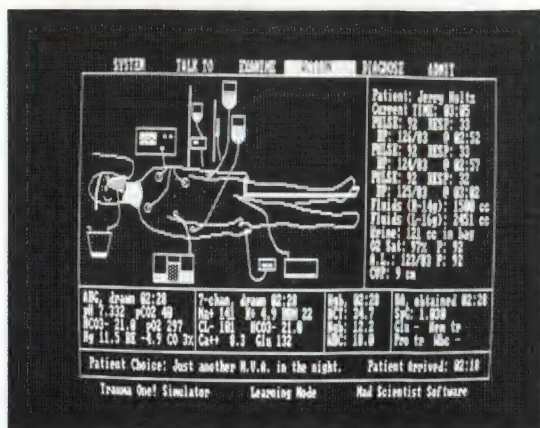
In ACLS Protocols, the computer guides the user through the appropriate treatment protocol. A brief patient history is presented, and a sample EKG is plotted across the screen. The user then enters an order in plain English. Just as in the Cardiac Arrest! simulator, no special commands or memorization (other than medical knowledge) are required. Practice at endotracheal drugs and other "non-cookbook" situations is included. The user reviews the treatment algorithm for the patient's rhythm either on-screen, or in the 36-page medical reference manual. The manual is organized to assist first-time learners.

Among the protocols practiced are asystole, bradycardia with and without pulse, V-tach with and without pulse, V-fib, paroxysmal supraventricular tachycardia, ventricular ectopy, pediatric arrest, neonatal arrest, endotracheal drug use, and acidosis therapy.

### Part of ACLS Teaching Series Purchased individually, \$29

Atari 800/XL/XE ..... #X-02  
Atari ST ..... #S-02  
IBM/compatibles ..... #I-02  
Apple II + /IIc/IIe ..... #A-02





#### About the Author...

Bruce Argyle MD is a board-certified emergency specialist practicing in Utah. He has been Medical Staff President, Chairman of the Department of Emergency Medicine, and a member of the Board of Governors of his hospital. He has served as President of the Utah Chapter of the American College of Emergency Physicians. He is an Associate Clinical Professor at the University of Utah School of Medicine.

Dr. Argyle's other software includes Cardiac Arrest! (winner of the Antic "Outstanding Product" Award for 1988), Code Team! (a package of ACLS training programs), Blood Gases (for A-a gradients and bedside acid-base interpretation), and The Patient Instruction Generator (a complete system for after-care instructions).

#### About the Publisher...

Mad Scientist Software was founded by Dr. Argyle in 1986, and has since sold thousands of software packages to health professionals like you. You'll find we offer unique, practical products.

#### Software Information:

Price is \$99.95 plus shipping. The software is not copy-protected. Disk updates will be available to registered owners for \$6 each when medical standards change. 30-day disk warranty. Your satisfaction is fully guaranteed.

#### Hardware requirements:

IBM compatible: For IBM XT, AT, PS2 or true compatibles. 5-1/4 or 3-1/2 inch disk. Hard disk compatible. DOS 2.0 or higher, 512K RAM required. CGA, EGA, or VGA graphics highly recommended. Not for PCjr.

MacIntosh: Call for availability.

Atari ST: Call for availability.

#### How to order:

Call Mad Scientist Software directly at 801-756-6027 to place Visa/Mastercard or COD orders. For check or hospital purchase order, mail your order to:

Mad Scientist Software  
13422 Bayberry Circle  
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Be sure to specify your computer type. Include \$5.00 shipping and handling.

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Now Available!

The most advanced medical teaching simulator we've ever offered for desktop computer...

Trauma One!

Created by  
Bruce Argyle MD

This fabulous Advanced Trauma Life Support (ATLS) simulator is perfect for learning a solid approach to the multiple trauma patient.

Ever since the creation of the award-winning Cardiac Arrest! simulator, Mad Scientist Software has been receiving requests for a trauma simulator. At last, here it is.

# Trauma One!

by Bruce Argyle, MD FACEP

Never has mastering Advanced Trauma Life Support (ATLS) skills been so easy. Trauma One! solidifies your approach to the trauma victim.

Trauma One! is the newest program from Bruce Argyle MD, creator of the award-winning Cardiac Arrest! ACLS simulator.

A trauma victim is presented, and you begin management. You undertake stabilization measures, obtain historical and physical exam information, order tests, and perform procedures on your patient.

Meantime, the computer is out to get you. It's looking for weaknesses in your approach -- one oversight, and the computer will make you learn the lesson the hard way.

The Trauma One! disk contains enough patients to keep you occupied for days -- and each patient can behave differently each time you resuscitate him.

Send for your copy today. It's the best way to learn solid trauma management. And it's fun.

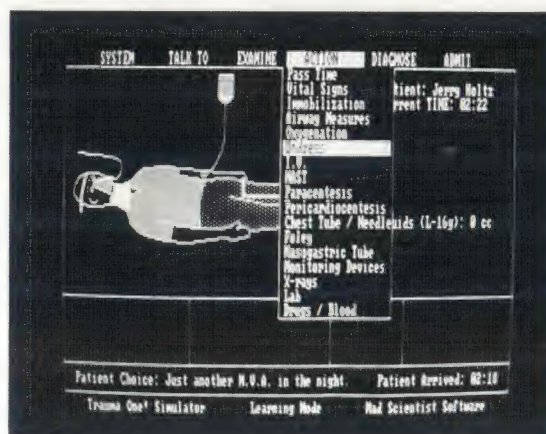
At \$99.95, Trauma One! is among the best education investments you can make -- sophisticated and complete, yet inexpensive enough for individual ownership.

## Teaches:

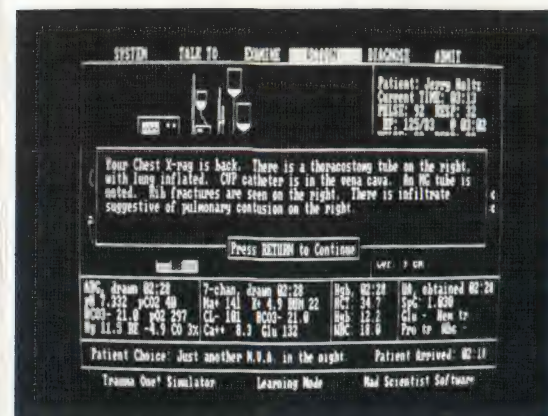
- \* ATLS procedures
- \* Therapeutic priorities
- \* Threshold for action
- \* Completeness of workup

## Features:

- \* Easy menu interface
- \* On-screen graphics
- \* Variety of patients
- \* Excellent manual



IBM screen shot using CGA graphics



IBM screen shot using CGA graphics

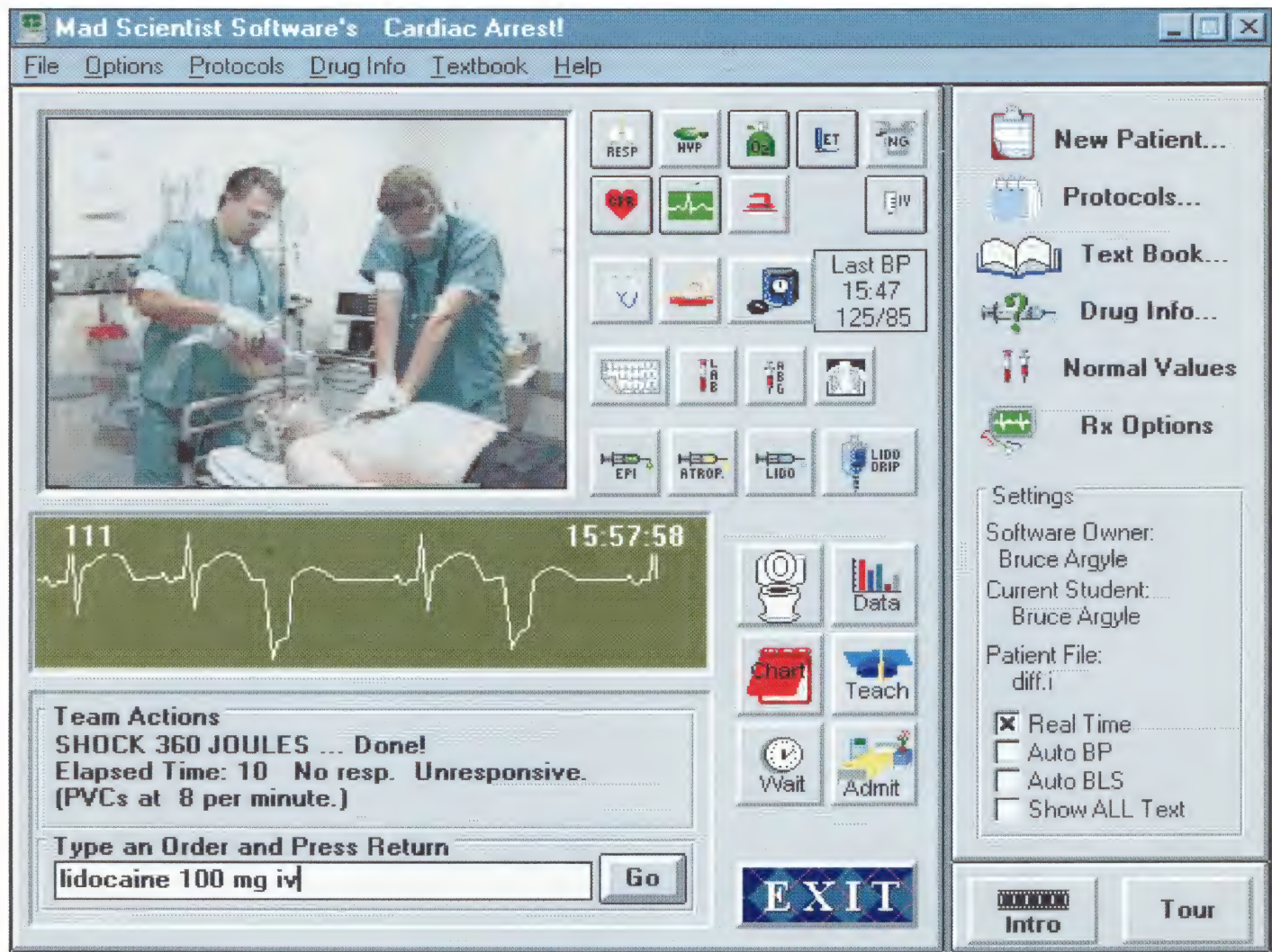
## Recommended for:

- \* Emergency Physicians
- \* Oral Board Preparation
- \* Surgeons
- \* Family Practitioners
- \* Emergency Nurses
- \* Paramedics
- \* Hospital Teaching Libraries

**Trauma One! \$99.95**

# Cardiac Arrest!

*New! Multimedia Version*



The fun way to earn CME credit! Taking orders NOW.

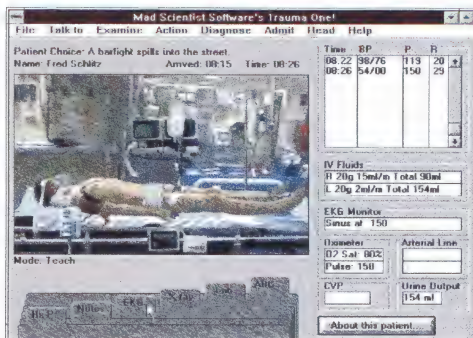
*Requires Windows 95, Pentium, 4-speed or faster CD-ROM. \$89.95*

# Try it here!

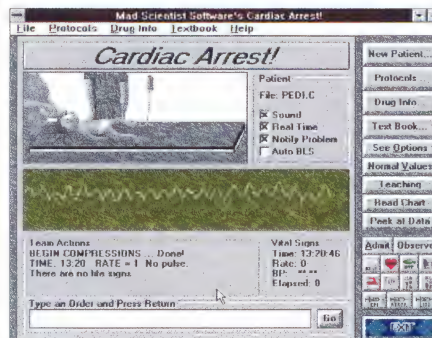


# EmergiMed CD

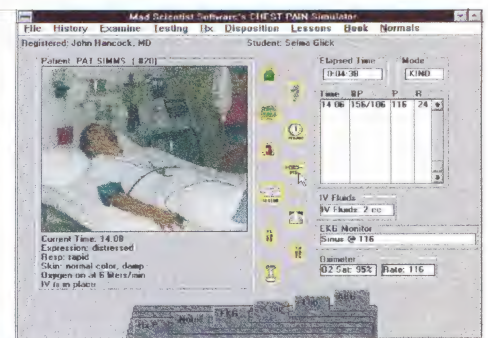
6 education programs on one convenient CD



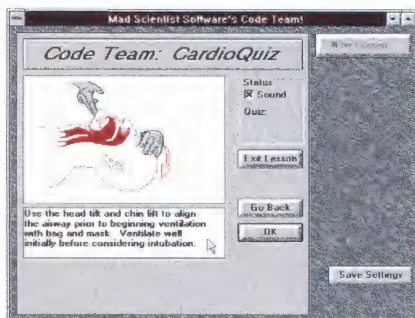
**Trauma One!**



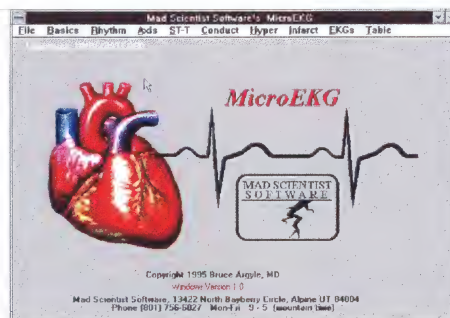
**Cardiac Arrest!**



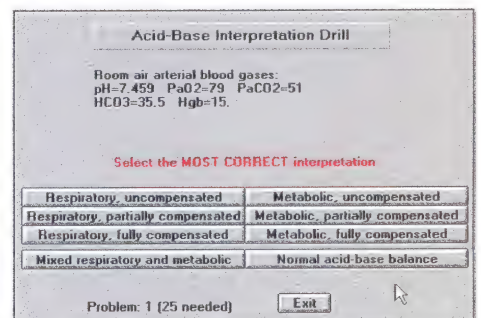
**Chest Pain Simulator**



**Code Team!**



**MicroEKG**



**Blood Gases**

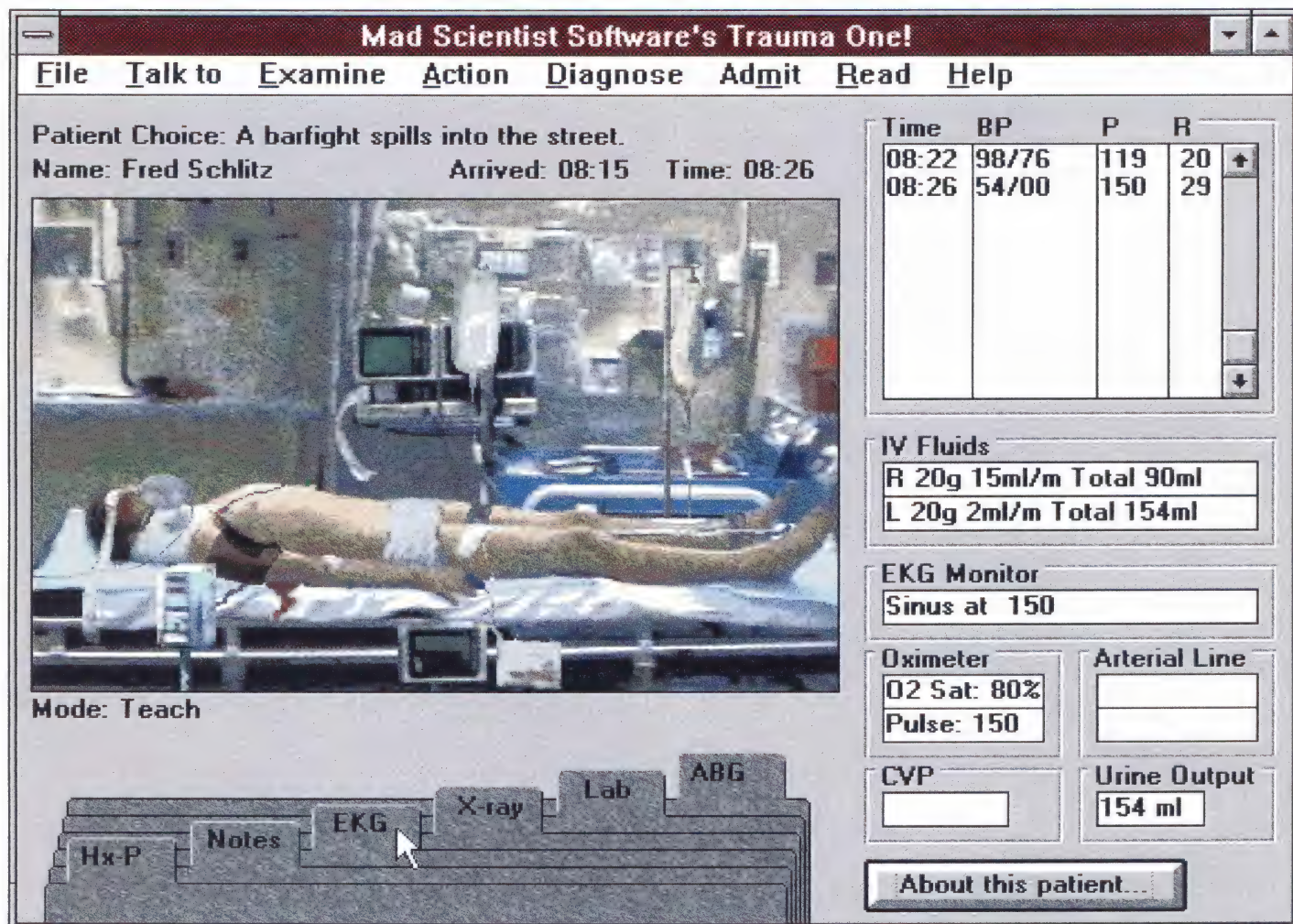
For Windows 3.1 or 95. Requires 4 MB RAM, CD-ROM, mouse.  
Special price through Utah ACEP today: \$249.

*Buy it NOW and save!*



# Trauma One!

## Multiple-trauma Simulator



**Buy it here!** Available alone or as part of the EmergiMed CD.  
Special Utah ACEP price today: \$99 for Trauma One Deluxe.

*For Windows 95 or 3.1*

# Try it!



# PAIGE - Patient Instruction Generator

...powerful yet simple for custom patient instructions

The screenshot shows the PAIGE software interface. At the top is a menu bar with 'File', 'Edit', 'Options', and 'Help'. Below this is a status bar indicating 'Instruction Mode: Emergency Medicine / Urgent Care 1996'. The main window is divided into several sections:

- Status:** Contains fields for 'Patient' (Bill Bloosey), 'Provider' (Bruce Argyle, MD), 'Language' (English), 'Preview' (Yes), 'Print Provider Name' (Yes), 'Signature Lines' (No), and 'Global Instructions' (No). There is also a 'New User Tour' button.
- Print Queue:** A list of items to be printed: 'Diverticulitis', 'Low Residue', 'Cipro', 'Flagyl', and 'Narcotic, Oral'. A 'No Graphic' button is next to it.
- Buttons:** A vertical column of buttons on the right side includes 'New Patient', 'Print Instruction', 'Start EDIT Mode', 'Rx Plans', 'Graphic', 'Search', 'Problems', 'Treatment', 'Followup' (highlighted in red), and 'Form / Rx'.
- Followup:** A list of follow-up options including 'PRN only', 'Suture FU Here', 'Ortho FU Here', 'Other FU Here' (highlighted in red), 'REFERAL Appoint', 'E.N.T.', 'Family Pract', 'Int Med. Card', 'Neuro \ Psych', 'Ob-Gyn \ Urol', 'Ophthalmol', 'Ortho', 'Pediatrics', 'Plastic \ Oral', and 'Surgeon'.
- Other FU Here:** A list of other follow-up options including '6 hour FU', '8 hour FU', '12 hour FU', '1 day FU', '2 day FU', '3 day FU', '4 day FU', '5 day FU', '1 week FU', '1 week for UA', '2 week FU', '4 week FU', 'Fill-in FU', 'Call 1d tests', 'Call 2d tests', 'Stool Blood', 'Stool Culture', and 'X-ray Report'.

At the bottom, a message says 'Click any item to edit or delete it.'

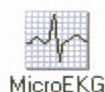
Flexible. Powerful. Easy. Fast. Cheap. Free DEMO versions available!  
Special price through Utah ACEP today: \$199.

# Try PAIGE here!



**NOW ON  
WINDOWS!**

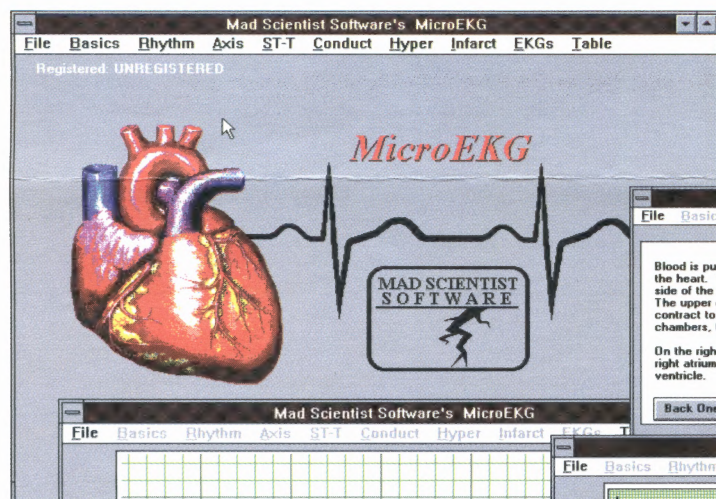
## Three Special Offers for our Customers!



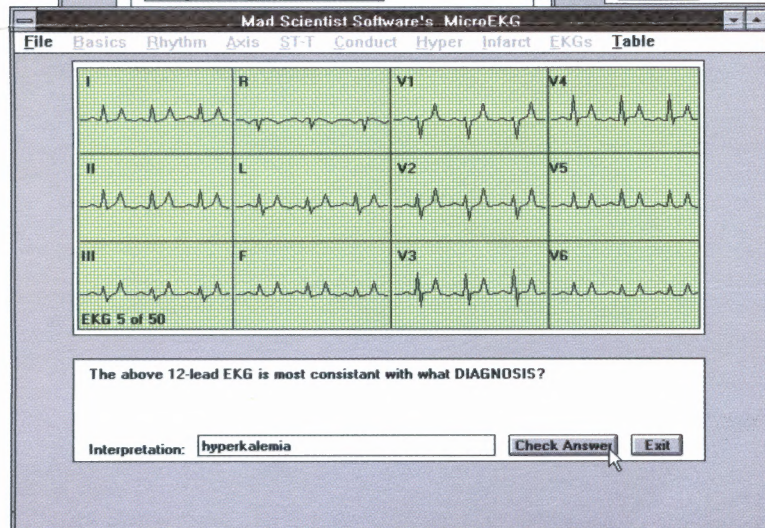
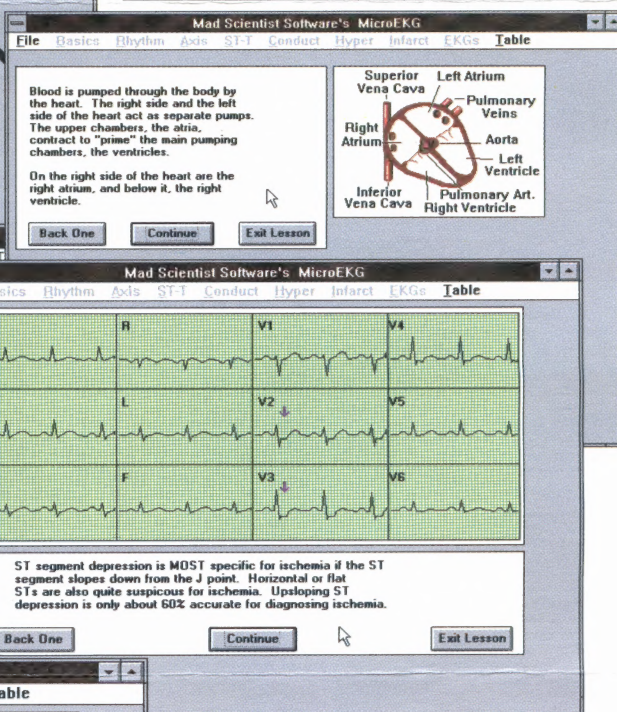
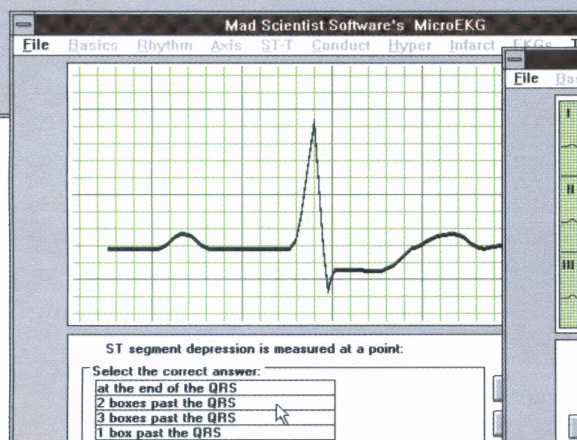
MicroEKG

The new **MicroEKG** (for Windows 3.1 and Windows 95) is a dramatic upgrade. The teaching content has been expanded. Lessons have been rewritten for greater educational value. The graphics are stunning. Pop-down tables and charts can be reviewed during a lesson. You can create score files for multiple students and print education certificates. You'll love the new version! Order now — this discount is for a limited time. **Regular price \$89.95.**

**Your Price  
\$39.95**



Each MicroEKG section has 4 to 9 smaller lessons. Questions are scattered through the lessons to monitor your progress. The program keeps track of completed lessons.



Take a 12-lead EKG or rhythm quiz. Or look up a diagnosis to see a typical EKG for that condition.

<b>MicroEKG</b>	<b>\$39.95</b>
<b>Blood Gases</b>	<b>\$29.95</b>
<b>Chest Pain Simulator</b>	<b>\$39.95</b>
<b>Buy all three!</b>	<b>\$100</b>

**Call today: 801-756-6027**  
Mad Scientist Software  
115 E 200 N, 2nd Floor  
Alpine, UT 84004

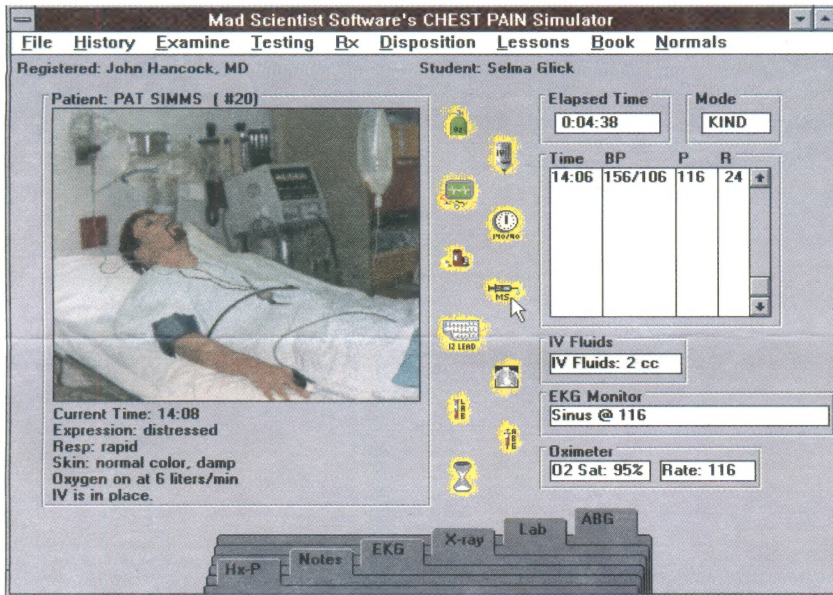
**#1**

# #2



The **Chest Pain Simulator** teaches stabilization, workup, and treatment of the chest pain patient. Formerly "Time is Myocardium" for DOS, this program has been improved so much we had to rename it! Watch the patient's appearance change during treatment. Click on the "shortcut" treatment icons. Review vital signs in a scrolling window. Open the chart to see the 12-lead EKG, lab and x-ray results, and the treatment record. Very realistic! **Regular price \$99.95.**

**Your Price**  
**\$39.95**



Read about causes of chest pain, approach to the patient, workup and disposition, and thrombolytic therapy in the on-line manual.

Work through the on-line tutorials and quizzes (even in the middle of a patient encounter).

Multi-user option allows individual files to track each student's progress through the tutorials and patient encounters. Can print educational certificates for each user.

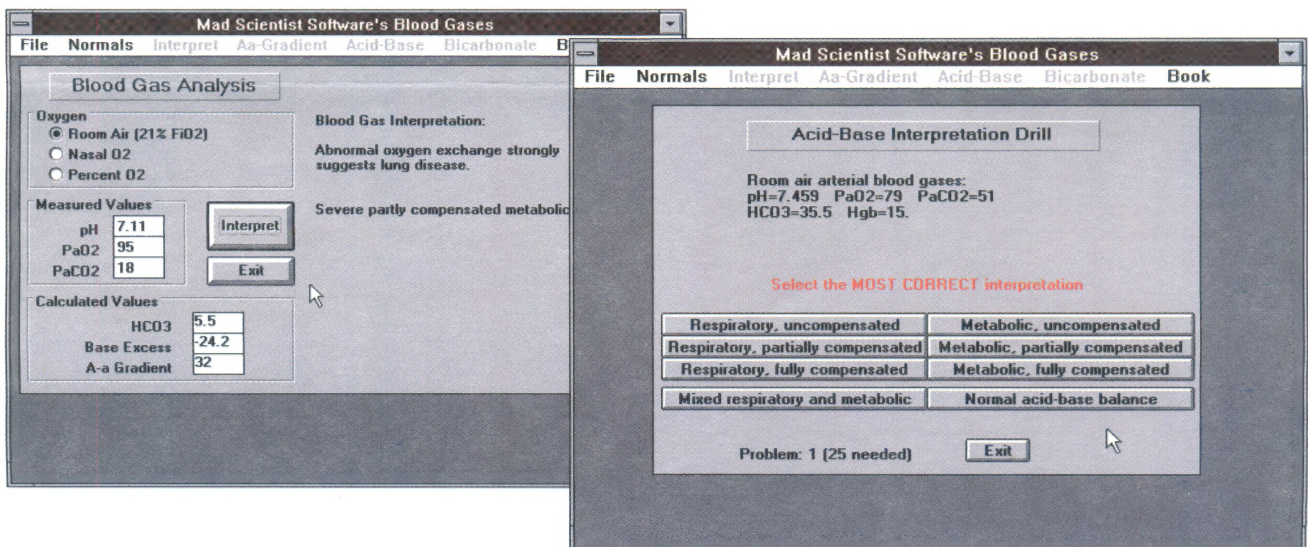
Any therapeutic error or inappropriate treatment priority is pointed out to the user immediately.

# #3



Our **Blood Gases** program has always been a best-seller. Under Windows it's even better! There's an on-line textbook packed with information on lung function, acid-base physiology, and therapies. You can pop up a Normal Values chart or use your Windows calculator in the middle of a lesson. There are more clinical cases. Allows multiple student files, tracking each student's progress. **Blood Gases** can print an education certificate for each user. **Regular price \$69.95.**

**Your Price**  
**\$29.95**



**Note:** The ACLS Teaching Series and Trauma One! are available in Windows versions. If you missed our first upgrade offer, call us at 801-756-6027. **Upgrade prices: ACLS Teaching Series \$49.95, Trauma One! \$49.95.**